

<110> Xu, Jiangchun
Stolk, John A.
Algate, Paul A.
Fling, Steven P.

<120> COMPOSITIONS AND METHODS FOR THE
THERAPY AND DIAGNOSIS OF OVARIAN CANCER

<130> 210121.484C5

<140> US

<141> 2001-04-03

<160> 215

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 396

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

```
<221> misc_feature
```

$\langle 222 \rangle$ (1) ... (396)

<223> n = A, T, C or G

<400> 1

caacctctact	agtaaataagaa	agaaaatattg	taatttgtat	ttgatctgct	gggtctttgg	60
agtcagaact	ggttttatca	gcagtttgat	cttctgaggt	ctggatgta	gttgctggc	120
ccacagaacc	ttcacgtgta	ttcacagcct	caatgccata	aggaaactct	tttagaagtt	180
ctgacagctg	gtcatgtagg	tataagacag	gtgccttattc	actgtggatt	tcatttcttg	240
caggatcttg	gggagtatag	ttgctggatg	catctatttc	ctgagggtaa	atatcctcct	300
ggnCGaCGcg	gccgctcgag	tctagagggc	cgtttaaac	cCGctgatca	gcctcgactg	360
tgctttctan	ttgccancca	tntgttgttt	gccct			396

 $\langle 210 \rangle$ 2

<211> 396

<212> DNA

<213> Homo sapien

<400> 2

cgaccaaaaa	gtaaactcca	agtgaacatc	aatcaaatc	taatcctttt	ggccacatga	60
ctggttggtc	tttatctcat	agttacaatg	aatcatataa	actgtagact	gccactacca	120
cgatacttct	gtgacacaga	aggaatgtcc	tatttgcccta	tctatctgag	gaatgttaaa	180
tagagaaaaa	tagattataa	aaaaacctgg	aggtcacagg	attctgagat	aatcctctcg	240
ttaaaaaaca	tctgaacagc	aaatgtccaa	tctgtaataa	aatagttaaa	ggtccaagtc	300
aagtccactt	ctacttggct	ggccacgcac	aagaaatcta	acagcacttt	gtaatcattt	360
tgcttttcta	attttcccgg	aggacatggg	ccattg			396

<210> 3

<211> 396

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 6
 acgggaggcg ccgggaagtc gacggcgccg gcggtcctg caggaggcca ctgtctgcag 60
 ctcccgtgaa gatgtccact ccagaccac ccctggggg aactcctcg ccaggtcctt 120
 ccccgggccc tgcccttccc ctggagccat gctgggccc agcccgggtc cctcgccggg 180
 ctccgcccac agcatgatgg ggcccagccc angggcccgc ctgagcagga caccatcc 240
 ccaccagggg gcttgagggg taccctcagg acaacatgca ccagatgcac aagcccatgg 300
 agtccatgca tgagaaggcg atgtcggacg acccgcgcta caaccagatg aaaggaatgg 360
 ggatgcggtc agggggccat gctgggatgg ggcccc 396

<210> 7
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 7
 acccgagagt cgtcgggggt tctgtcttca acagtgttg gacggaaccc ggcgctcgtt 60
 cccaccgccg gccggccgcc catagccagc cctccgtcac ctcttcaccg caccctcgga 120
 ctgcccgaag gccccgcgcg ccgctccagc gccgcgcagc caccgcgcgc gccgccgctt 180
 ctcttagtgc gccgccatga cgaccgcgtc caccctgcag gtgcgccaga actaccacca 240
 ggactcagag gccgccatca accgccagat caacctggag ctctacgcct cctacgttta 300
 cctgtccatg tcttactact ttgaccgcga tgatgtggct ttgaagaact ttgccaaata 360
 ctttcttcac caatctcatg aggagaggga acatgc 396

<210> 8
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 8
 cgacaacaag gtttaatacct tagttcttaa catttttttt ctttatgtgt agtgttttca 60
 tgctaccttg gtaggaaact tatttacaaa ccatattaaa aggctaattt aaatataaat 120
 aatataaagt gctctgaata aagcagaaat atattacagt tcattccaca gaaagcatcc 180
 aaaccacca aatgaccaag gcatatatag tatttgaggg aatcaggggg ttggaaggag 240
 tagggaggag aatgaaggaa aatgaacca gcatgattat agtgtgttca tttagataaa 300
 agtagaaggc acaggagagg tagcaaaggc caggcttttc tttggttttc ttcaaacata 360
 ggtgaaaaaa aactgcccac tcacaagtca aggaac 396

<210> 9
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 9
 tcgacatgcg ggcaactttt tgcggattgt tcttgcttcc aggctttgcg ctgcaaatcc 60
 agtgctacca gtgtgaagaa ttccagctga acaacgactg ctctccccc gagttcattg 120
 tgaattgcac ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg 180

```
<210> 10
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 11
<211> 396
<212> DNA
<213> Homo sapien
```

```
<210> 12
<211> 396
<212> DNA
<213> Homo sapien
```

```
<210> 13
<211> 396
<212> DNA
<213> Homo sapien
```

<400> 13

accacaggct	ggccacaaga	agcgctggag	tgtgctggcg	gctgcaggcc	tacggggcct	60
ggtccggctg	ctgcacgtgc	gtgccggctt	ctgctgcggg	gtcatccgag	cccacaagaa	120
ggccatcgcc	accctgtgct	tcagccccgc	ccacgagacc	catctcttca	cggcctccta	180
tgacaagcgg	atcatcctct	gggacatcgg	ggtgccccaa	caggactacg	aattccaggc	240
cagccagctg	ctcacactgg	acaccacctc	tatccccctg	cgctcttgcc	ctgtcgctc	300
ctgcccggac	gcccgcctgc	tggccggctg	cgaggggcgg	tgctgctgct	gggacgtgcg	360
gctggaccag	ccccaaaaga	ggaggggtgt	tgaagt			396

<210> 14

<211> 396

<212> DNA

<213> Homo sapien

<400> 14

acggcgctct	cgtggaagt	acatcgtctt	taaaccctgc	gtggcaatcc	ctgacgcacc	60
gccgtgatgc	ccaggaaga	cagggcgacc	tggaaagtcca	actacttct	taagatcatc	120
caactattgg	atgattatcc	gaaatgtttc	attgtgggag	cagacaatgt	gggctccaag	180
cagatgcagc	agatccgcat	gtcccttcgc	gggaaggctg	tggtgctgat	gggcaagaac	240
accatgatgc	gcaaggccat	ccgagggcac	ctggaaaaca	acccagctct	ggagaaactg	300
ctgcctcata	tccgggggaa	tgtgggcttt	gtgttcacca	aggaggacct	cactgagatc	360
agggacatgt	tgctggccaa	taaggtgcc	gctgct			396

<210> 15

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 15

accgcgcggg	cacaggggtgc	cgctgaccga	ggcgtgcaaa	gactccagaa	ttggaggcat	60
gatgaagact	ctgctgctgt	ttgtggggct	gctgctgacc	tgggagagt	ggcaggtcct	120
gggggaccag	acggtctcag	acaatgagct	ccaggaatg	tccaatcagg	gaagtaagta	180
cgtcaataag	gaaattcaaa	atgcttgtca	acggggtgaa	acagataaag	actctcatag	240
aaaaaaciaa	cgaagagcgc	aagacactgc	tcagcaacct	agaagaagcc	aagaagaaga	300
aagaggatgc	cctaaatgag	accaggggaat	canagacaaa	gctgaaggag	ctcccaggag	360
tgtgcaatga	gacctgatg	gccctctggg	aagagt			396

<210> 16

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 16

tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttngggggg	120
nnnaaanttt	ttntnanan	nnnngggnaa	aaaaaaaaa	aanaangggg	gnntnnggc	180
ccnnnanaaa	aaaannngna	annaancccc	ccnnnnnnnc	ccnncnnntn	ggaaananna	240

```
<210> 17
<211> 396
<212> DNA
<213> Homo sapien
```

```
<210> 18
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 19
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<210> 20

<220>

<222> (1) ... (396)

<223> n = A, T, C or G

tttttttttt	tttttttttt	ttttttctna	acaaaccctg	ttnttgggng	ggngnggggta	60
taataactaag	ttganatgat	ntcattttacg	ggggaaggcn	ctttgtgaan	naggccttat	120
ttctnttgnc	ctttcgtaca	gggaggaatt	tgaagtaaan	anaaacnnc	ctggattact	180
ccggtctgaa	ctcaaatacac	gtaggacttt	aatcgttgaa	caacaacaac	tttaataagcg	240
gctgcncat	tgggatgtcc	tgatccaaca	tcgaggncgt	aaaccctatt	gttgatatgg	300
actctaaaaa	taggattgcg	ctgttatccc	tagggtaact	tgttcccgty	gtcaaagtta	360
ttggatcaat	tgagtataag	tagttcgctt	tgactg			396

<211> 396

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

```
<221> misc_feature
```

$\langle 222 \rangle$ (1) ... (396)

<223> n = A, T, C or G

acatanatnt	tatactanca	ttnaccatct	cacttgnagg	aanactanta	tatcnctcac	60
acctnatatc	ctnctacta	tgccctagaag	gaataatact	atngctgttn	attatancta	120
ctntnataac	cctnaacacc	cactccctct	tanccaatat	tgtgcctatt	gccatactag	180
tntttgocgc	ctgcnaagca	gnggnggggc	tanctnctact	agnctcaatc	tccaacacnt	240
atggcctana	ctacgtacat	aacctaaacc	tactcnaatg	ctaaaactaa	tcnncccaac	300
anttatntta	ctaccactga	catgactttc	caaaaaacac	atantttgaa	tcaacncanc	360
cacccacanc	ctanttatta	ncatcatccc	cntact			396

<210> 22

<211> 396

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

```
<221> misc_feature
```

$\langle 222 \rangle$ (1) ... (396)

<223> n = A, T, C or G

<400> 22						
tttttttttt	ttttganaaa	agccggcata	aagcactttt	attgcaataa	taaaacttga	60
gactcataaa	tgggtgctggg	ggaaggggtgc	agcaacgatt	tctcaccaaa	tactacaca	120
ggacagcaaa	ggggtgagaa	ggggctgagg	gaggaaaagc	caggaaaactg	agatcagcag	180
agggagccaa	gcatcaaaaa	acaggagatg	ctgaagctgc	gatgaccagc	atcattttct	240
taanagaaca	ttcaaggatt	tgtcatgatg	gctgggcttt	cactgggtgt	taagtctaca	300
aacagcacct	tcaattgaaa	ctgtcaatta	aagttcttaa	gatttaggaa	gtggtggagc	360
ttggaaagtt	atgagattac	aaaatttctg	aaagtc			396

<210> 23

<400> 23

<210> 24

<211> 396

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

<222> (1) ... (396)

<223> n = A, T, C or G

<400> 24

<210> 25

<211> 396

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

<222> (1) ... (396)

<223> n = A, T, C or G

<400> 25

<210> 26

<211> 396

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<223> n = A, T, C or G

gacgctcccc	cctcccccg	agcgccgctc	cggtcgcacc	gcgctcgctc	cgagtttcag	60
gctcgtgcta	agctagcgcc	gtcgtcgttc	cccttcagtc	gccatcatga	ttatctaccg	120
ggacctcatc	agccacgatg	agatgtcttc	cgacatctac	aagatccggg	agatcgcgga	180
cgggttggtg	ctggagggtg	aggggaagat	ggtcagtagg	acagaaggta	acattgatga	240
ctcgctcatt	ggtggaaatg	cctccgctga	aggccccgag	ggcgaaggta	cccgaagca	300
cagtaatcac	tgngngcnat	nttgctcatga	accatcacct	gcnnгааааа	annttnacaa	360
aanaancctn	cnnnnnannnc	ctnnnnnnatt	ncnnnn			396

<213> Homo sapien

<223> n = A, T, C or G

tttttttttt	tttttttttt	tttttttttt	tttttttttt	tggctaaant	ttatgtatac	60
nggtntttca	aangnggggg	aggggggggg	gcatccatnt	anncnnccca	ggtttatggn	120
gggntntnt	actattanna	nttttcnctt	caaaacnaag	gnttntcaaa	tcatnaaaat	180
tattaaanatt	ncngctgnta	aaaaaangaa	tgaaccnncn	nanganagga	nntttcatgg	240
ggggnatgca	tcgggggnann	ccnaanaacc	ncggggcccat	tcccganagg	cccaaaaaat	300
gtttnnnnaa	aaagggtaaaa	nttacccecn	tnaantttat	annnnaaann	nnannnnnagc	360
ccaannnttn	nnnnnnnnnn	nnncennnna	nnnnnn			396

<213> Homo sapien

<223> n = A, T, C or G

cgaccttttt	ttttttttt	atagatgaaa	gagggtttat	ttattaatat	atgatagcct	60
tggctcaaaa	aagacaaatg	agggtcctaaa	aaggaattac	agtaacttta	aaaaatatat	120
taaacatatc	caagatccta	aatatattat	tctcccaaa	agctagetgc	ttccaaactt	180
gatttgatat	tttgcatgtt	ttccctacgt	tgcttggtaa	atatatttgc	ttctcctttc	240
tgcaatcgac	gtctgacagc	tgatttttgc	tgttttgnca	acntgacgtt	tcacctnttg	300
tttcaacant	tctggaggaa	ttgttnaaca	ncttacaanca	ctgccttgaa	naaannnnan	360
gcctcaaaaag	ntcttgnnct	atnctnnttc	ntnnnt			396

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 29

gacttgctca	tttagagttt	gcaggaggct	ccatactagg	ttcagttctga	aagaaatctc	60
ctaattggtgc	tatagagagg	gaggtaacag	aaagactctt	ttagggcatt	tttctgactc	120
atgaaaagag	cacagaaaag	gatgtttggc	aatttgtctt	ttaagtctta	accttgctaa	180
tgtgaatact	gggaaagtga	tttttttctc	actcgttttt	gttgctccat	tgtaaagggc	240
ggaggtcagt	cttagtggcc	ttgagagttg	cttttggcat	ttaaataattc	taagagaatt	300
aactgtattt	cctgtcacct	attcactant	gcangaaata	tacttgctcc	aaataagtca	360
ntatgagaag	tcactgtcaa	tgaaanttgn	tttgtt			396

<210> 30
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 30

ttttttttt	tttttttttg	aaatttanaa	acaaatttta	tttaagatct	gaaatacaat	60
tcctaaaata	tcaacttttc	canaaaaccg	tggttacaca	ataatgcatt	gcctctatca	120
tggtanaacg	tgcattanac	tcaaatacaa	aaaccatgaa	acaaatcacc	atccttcaac	180
aatttgagca	aagatagaat	gcctaagaac	aacatagatg	gacttgca	ggatgggctg	240
ttttacttca	agcnccataa	aaaaaaaaaa	gagcncaaat	gcattgggtt	ttcaggntna	300
tacattaagn	ngaacctttg	gcactaggaa	tcaggggcgtt	ttgtcacata	gcnttaacac	360
atnttaaaaa	attntgtant	gtcaaaggga	tangaa			396

<210> 31
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 31

gacggggccag	ggccatctgg	aaagggaact	cggtttttcc	agaacgtggt	ggatcatctg	60
tcgggtgtgt	ggtgaacacg	ttcagttcat	cagggcctac	gctccgggaa	ggggccccc	120
gctgtggtc	tgccatgccg	ggctgtgttt	gcagctgtcc	gagtctccat	ccgccttttag	180
aaaaccagcc	actttttt	ataagcactg	acagggccca	gccacagcc	acaggtgcga	240
tcagtgcctc	acgcaggcaa	atgcactgaa	acccaggggc	acacnncgc	agagtgaaca	300
gtgagttccc	ccgacagccc	acgacagcca	ggactgccct	ccccacccn	ccccgacccc	360
angancaagg	cacacanntc	ancctctnan	ctngct			396

<210> 32
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>

TCCTAAAATA

<400> 32

<210> 33

<212> DNA

$\langle 220 \rangle$

<222> (1) ... (396)

<223> n = A, T, C or G

<400> 33

<210> 34

<211> 396

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

```
<221> misc feature
```

<222> (1) ... (396)

<223> n = A, T, C or G

<400> 34

<210> 35

<211> 396

<212> DNA

<213> Homo sapien

<400> 35

```
<210> 36
<211> 396
<212> DNA
<213> Homo sapien
```

```
<210> 37
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 38
<211> 396
<212> DNA
<213> Homo sapien
```

<210> 39
<211> 396

<212> DNA
<213> Homo sapien

<400> 39

tcgaccaaga atagatgctg actgtactcc tcccaggcgc cccttcccc tccaatccca	60
ccaaccctca gagccacccc taaagagata ctttgatatt ttcaacgcag ccctgctttg	120
ggctgccctg gtgctgccac acttcaggct cttctccttt cacaaccttc tgtggctcac	180
agaacctttg gagccaatgg agactgtctc aagagggcac tggtgcccg acagcctggc	240
acagggcaag tgggacaggg catggccagg tggccactcc agaccctgg cttttcactg	300
ctggctgcct tagaaccttt cttacattag cagtttgctt tgtatgcact ttgttttttt	360
ctttgggtct tgtttttttt ttccacttag aaattg	396

<210> 40
<211> 396
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 40

tttttttttt ttttgttatt tagtttttat ttcataatca taaacttaac tctgcaatcc	60
agctaggcat gggaggggaa aaggaaaaca tggaacccaa aggggaactgc agcgagagca	120
caaagattct aggatactgc gagcaaatgg ggtggagggg tgctctcctg agctacagaa	180
ggaatgatct ggtgggttaan ataaaacaca agtcaaactt attcgagttg tccacagtca	240
gcaatggtga tcttcttgct ggtcttgcca ttcctggacc caaagcgctc catggcctcc	300
acaatattca tgccttcttt cactttgcca aacaccacat gcttgccatc caaccactca	360
gtcttggcag tgcanatgaa aaactgggaa ccattt	396

<210> 41
<211> 396
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 41

tcgacctctt gtgtagtcac ttctgattct gacaatcaat caatcaatgg cctagagcac	60
tgactgttaa cacaacgctc actagcaaag tagcaacagc tttaagtcta aatacaaagc	120
tgttctgtgt gagaattttt taaaaggcta cttgtataat aacccttgct atttttaatg	180
tacaaaacgc tattaagtgg cttagaattt gaacatttgt ggtctttatt tactttgctt	240
cgtgtgtggg caaagcaaca tcttccctaa atatataatta cccaaagnaa aagcaagaag	300
ccagattagg tttttgacaa aacaaacagg ccaaaagggg gctgacctgg agcagagcat	360
ggtgagaggc aaggcatgag agggcaagtt tgttgt	396

<210> 42
<211> 396
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 42

cttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
aaaanccnna	nnaananang	gnaannnann	aaaaaannca	aaccncntnt	anaaaangcc	120
nntntnaggg	gggggggttca	aaaccaaang	gnngntngga	ngnaaannta	aaanttnnnn	180
gggggnanaa	anaaaaaggg	nngaaanngt	acccnanaaa	gaccngaaan	cccgggaaac	240
cnngggntan	aaaaaaagnt	ganccctaaa	nncccccgna	aaanggggga	agggnaannc	300
caaatccnnt	gnngggttgg	ggnggggaaa	aaaaaaaacc	cnaaaaantg	naaaaaaccg	360
ggnttnaaan	atttgggttc	gggggntttt	tnttaa			396

<210> 43

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 43

tttttttttt	ttttgcttca	ctgctttatt	tttgaaatca	caagcaattc	aaagtgatca	60
tcattgaggc	ttctgttaaa	agttcttcca	aagttgccca	gttttaanat	taaacaatat	120
tgcactttaa	gatgaactaa	cttttgggat	tctcttcaaa	gaaggaaagt	attgctccat	180
ctgtgctttt	cttanactaa	aagcatactg	canaaaactc	tattttaaaa	atcaacactg	240
cagggtagag	taacatagta	aagtacctgc	ctattttana	atcctanaga	acatttcatt	300
gtaagaaact	agccatttat	ttaagtgtcc	acagtatttt	tcatttcant	ggccaagat	360
gccaaagggtt	ccaaacacaa	tctgtttctc	taatac			396

<210> 44

<211> 396

<212> DNA

<213> Homo sapien

<400> 44

gacctagttt	tacctcttaa	atatctctgt	tcccttctaa	gttgtttgct	gtgttttctt	60
cagagcaaga	aggttatatt	ttttaaaatt	tacttagtaa	tgcacattca	aaacacacat	120
caagtcttca	ggataaagtt	caaaaccgct	gtcatggccc	catgtgatct	ctccctcccc	180
tacccctcta	tcatttagtt	tcttctgocg	aagccactct	ggcttccttt	cagttttgtg	240
gttcccgttt	ttagctagtt	cagtgggttt	caatgggcat	ttcttgccct	tttttttcta	300
aacgacaaat	agaaatacat	cttctttatt	atcctccaaa	tccaattcag	aggtaatatg	360
ctccacctac	acacaatttt	agaaataaat	taaaaa			396

<210> 45

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 45

tttttttttt	ttttaaannt	tntaaatttt	taatgaaann	ganttagaac	aatgtattat	60
------------	------------	------------	------------	------------	------------	----

```
<210> 46
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 47
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 48
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or
```

<400> 48
ctgggcctgt gccgaagggt ctgggcagat cttccaaaga tgtacaaaat gtagaaattg 60

```

ccctcaagca aatgcaaaga tgctcaacac ccttagtcat caagaaaatg caaatggaat 120
ccacagagag atactgcaca ctgacaaaga tggctcgtatt actaaagggtg aataaccagc 180
gcgggggggca cgtggagtca ctggaacatt tgtgcaatgc tgggtgggaat gtcaaccctg 240
gcggccctctt ggaataagcc tggcagctcc tccaagagtt acccggtgtga cccagcaatt 300
ccactcctag ctccaccac aggaattgaa agcaaagacg caaacagatg cctgtgcacc 360
aaagttcacg gcagcatcct tcgccatagt ggnaaa 396

```

```

<210> 49
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

<400> 49

```

accccaaaat gggaaaggaa aagactcata tnaacattgn cgtnattgga cacgtacatt 60
cggncaaagtn caccactact ggncaatntga tntataaatg cggnggcacg gacanaanaa 120
ccatngnaan atttganaag gaggtcgtctg atatnggaaa gggctccntc nantntgcct 180
gggtctttgga tnaactgaaa nctgancntg aacgtggntt caccattgat atctncttgt 240
ggaaatntna gaccancann tactatgtna ctatcattga tgccccagga cacaganact 300
ttatcnaaan catgattacn nggacatnta nagctgactg tgctngcctg attgtngctg 360
ctgggtgttg tgaatttgaa nctggtatnt ccaana 396

```

```

<210> 50
<211> 396
<212> DNA
<213> Homo sapien

```

<400> 50

```

cgacttcttg ctgggtgggtg gggcagtttg gtttagtggt atacttttgt ctaagtattt 60
gagttaaact gcttttttgc taatgagtgg gctgggttgt agcaggtttg ttttctctgc 120
tgttgattgt tactagtggc attaactttt agaatttggg ctgggtgagat taattttttt 180
taatatccca gctagagata tggccttttaa ctgacctaaa gaggtgtgtt gtgatttaat 240
tttttccogt tcctttttct tcagtaaacc caacaatagt ctaaccttaa aaattgagtt 300
gatgtcctta taggtcacta cccctaaata aacctgaagc aggtgttttc tcttgacat 360
actaaaaaat acctaaaagg aagcttagat gggctg 396

```

```

<210> 51
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

<400> 51

```

tttttttttt ttccagcgngg atttatttta ttccattttt tactctcaag anaaagaana 60
gttactattg caggaacaga cattttttta aaaagcgaaa ctccctgacac ccttaaaaca 120
gaaaacattg ttattcacat aataatgngg ggctctgtct ctgccgacag gggctgggtt 180
cgggcattag ctgtgccgtc gacaatagcc ccattcaccc cattcataaa tgctgctgct 240
acaggaaggg aacagcggct ctcccanaga gggatccacc ctggaacacg agtcacctcc 300
aaagagctgc gactgtttga naatctgcc aagaggaaaac cactcaatgg gacctggata 360

```

396

```
<210> 52
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(396)  
<223> n = A,T,C or G
```

<400> 52

acctcgctaa	gtgttcgcta	cgcggggcta	cggatcgggt	cggaaatggc	agaggtggag	60
gagacactga	agcgactgca	nagccagaag	ggatgacagg	gaatcatcgt	cgtgaacaca	120
gaaggcattc	ccatcaagag	caccatggac	aaccccacca	ccaccagta	tgccagcctc	180
atgcacagnt	tcctctgaa	ggcacggagc	accgtgcgtg	acatcgacc	ccagaacgat	240
ctcaccttcc	ttcgaattcg	ctccaagaaa	aatgaaatta	tggttgacc	agataaagac	300
tatttctctga	ttgtgattca	gaatccaacc	gaataagcca	ctctcttggc	tcctctgtgtc	360
attccttaat	ttaatgcccc	ccaagaatgt	taatgt			396

```
<210> 53
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 53

t	t	t	t	t	t	60
t	t	t	t	t	t	120
t	t	t	t	t	t	180
c	a	a	a	a	a	240
n	n	n	n	n	n	300
t	n	n	n	n	n	360
t	n	n	n	n	n	396

```
<210> 54
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 54

ctcttggggc	tgctgggact	cgcgtcggtt	ggcgactccc	ggacgtaggt	agtttggttg	60
gccgggttct	gaggccttgc	ttctctttac	ttttccactc	taggccacga	tgccgcagta	120
ccagacctgg	gaggagttca	gccgcgctgc	cgagaagctt	tacctcgctg	accctatgaa	180
ggcacgtgtg	gttctcaaat	ataggcattc	tgatgggaac	ttgtgtgta	aagtaacaga	240
tgatttagtt	tgtttggtgt	ataaaacaga	ccaagctcaa	gatgtaaaga	agattgagaa	300
attccacagt	caactaatgc	gacttatggt	agccaaggaa	gcccgcaatg	ttaccatgga	360

aactgantga atggtttgaa atgaagactt tgtcgt

396

<210> 55
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 55
 cgaagggttg cgcgcagaac acaggtgtcg tgaaaactac ccctaaaagc caaaatggga 60
 aaggaaaaga ctcatatcaa cattgtcgtc attggacacg tagattcggg caagtccacc 120
 actactggcc atctgatcta taaatgcggt ggcacgcaca aaagaacccat tgaaaaatatt 180
 gagaaggagg ctgctgagat gggaaaaggc tccttcaagt atgcctgggt cttggataaa 240
 ctgaaagctg agcgtgaacg tggatcacc attgatatct ccttgtggaa atttgagacc 300
 agcaagtact atgtgactat cattgatgcc ccaggacaca gagactttat caaaaacatg 360
 attacaggga catctcaggc tgactgtgct gtccctg 396

<210> 56
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 56
 tttttttttt ttttttctca tttaactttt ttaatgggtc tcaaaattct gtgacaaatt 60
 tttggtcaag ttgtttccat taaaaagtac tgatttttaa aactaataac ttaaaactgc 120
 cacacgcaa aaanaaaacc aaangngtcc acaaaacatt ctctttcct tctgaagggt 180
 ttacgatgca ttgttatcat taaccagtct ttactacta aacttaaagt gccaatgaa 240
 acaaacagtt ctganaccgt tcttcacca ctgattaana gtggggtggc aggtattagg 300
 gataatattc atttagcctt ctgagctttc tgggcanact tggngacctt gccagctcca 360
 gcagccttnt tgtccactgc tttgatgaca cccacc 396

<210> 57
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 57
 cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt tnaaaanntt 60
 ntttttgcaa anccnancaa aaanggnngg aangaaaaan nggaaaaatt ntttttncnt 120
 ntttggaac nnnnagccct tnntttgaaa aaangnggnc ttaaaanngn tgaannaaag 180
 gnnanncccn gntncttnnn tttaaaaana anggggngn ttttttttaa anaanatttt 240
 ttttttccct aanancnnn anntgaaacn ngncnncn nctnncntna aagggnnaa 300
 atnanangnn aaaaaanccc tnanccccc cccttanntt tncnannana naaagnctt 360
 ttggngcntg naaaaanaan cctttttntt gcnttn 396

<210> 58
 <211> 396
 <212> DNA

<213> Homo sapien

<400> 58

cgacctcaaa	tatgccttat	tttgcacaaa	agactgcaa	ggacatgacc	agcagctggc	60
tacagcctcg	atttatattt	ctgtttgtgg	tgaactgatt	ttttttaaac	caaagtttag	120
aaagaggttt	ttgaaatgcc	tatggtttct	ttgaatggta	aacttgagca	tcttttcaact	180
ttccagtagt	cagcaaagag	cagtttgaat	tttcttgtcg	cttcctatca	aaatattcag	240
agactcgagc	acagcaccca	gacttcatgc	gcccgtggaa	tgctcaccac	atgttggtcg	300
aagcggccga	ccactgactt	tgtgacttag	gcggtgtgt	tgcctatgta	gagaacacgc	360
ttcaccccca	ctccccgtac	agtgcgcaca	ggcttt			396

<210> 59

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 59

cttttttttt	tttttttttt	tcagnggaaa	ataactttta	ttganacccc	accaactgca	60
aaatctgttc	ctggcattaa	gtccttctt	cctttgcaat	tgggtctttc	ttcagnggtc	120
ccatgaatgc	tttcttctcc	tccatggtct	ggaagcggcc	atggccaaac	ttggaggngg	180
tgtcaatgaa	cttaaggnc	atcttctcca	nagcccgcgc	cttcttctgc	accancaagg	240
acttgccgag	ggngagcacc	cgcttnttgg	ttcccaccac	ncagcctttc	agcatgacaa	300
agtcattggt	cacttcacca	tagnggacaa	agccacccaa	agggttgatg	ctccttgcca	360
aataggncat	agtcacngga	ggcattgtnc	ttgatc			396

<210> 60

<211> 396

<212> DNA

<213> Homo sapien

<400> 60

acctcagctc	tcggcgcaag	gcccagcttc	cttcaaaatg	tctactgttc	acgaaatcct	60
gtgcaagctc	agcttgagg	gtgatcactc	tacaccccca	agtgcataatg	ggctctgtcaa	120
agcctatact	aactttgatg	ctgagcggga	tgctttgaac	attgaaacag	ccatcaagac	180
caaaggtgtg	gatgagggtca	ccattgtcaa	cattttgacc	aaccgcagca	atgcacagag	240
acaggatatt	gccttcgcct	accagagaag	gacaaaaaag	gaacttgcat	cagcactgaa	300
gtcagcctta	tctggccacc	tggagacggg	gattttgggc	ctattgaaga	cacctgtctca	360
gtatgacgct	tctgagctaa	aagcttccat	gaaggg			396

<210> 61

<211> 396

<212> DNA

<213> Homo sapien

<400> 61

tagcttgtcg	gggacggtaa	ccgggaccgc	gtgtctgtctc	ctgtgcctt	cgcctcctaa	60
tccctagcca	ctatgcgtga	gtgcatctcc	atccacgttg	gccaggctgg	tgtccagatt	120
ggcaatgcct	gctgggagct	ctactgcctg	gaacacggca	tccagcccga	tggccagatg	180
ccaagtgaca	agaccattgg	gggaggagat	gactccttca	acaccttctt	cagtgtgagc	240
ggcgctggca	agcacgtgcc	ccgggctgtg	ttttagact	tggaaacccac	agtcattgat	300
gaagttcgca	ctggcaccta	ccgccagctc	ttccaccctg	agcagctcat	cacaggcaag	360
gaagatgctg	ccaataacta	tgcccagggg	cactac			396

<210> 62
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 62
 tcgacgtttc ctaaagaaaa ccaactotttg atcatggctc tctctgccag aattgtgtgc 60
 actctgtaac atctttgttg tagtctgttt ttcctaataa ctttgttact gtgctgtgaa 120
 agattacaga tttgaacatg tagtgtagct gctgttgagt tgtgaactgg tgggccgtat 180
 gtaacagctg accaacgtga agatactggg acttgatagc ctcttaagga aaatttgctt 240
 ccaaatttta agctggaaag ncactggant aactttaaaa aagaattaca atacatggct 300
 ttttagaatt tcnttacgta tgtaagatt tgngtacaaa ttgaantgtc tgnctganc 360
 ctcaaccaat aaaatctcag tttatgaaan aaannn 396

<210> 63
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 63
 ttnttttttt ntntntnttt ttntcnttgn ttgnaengaa cccggcgctn nttecccaen 60
 nnnnacggcc gccntatttc annntntcnt canntannna ccgcaccctc ggactgcnnn 120
 tngggccccc ccgncnannc nccnncnccc anttncnccg cgcgcgcgcc gccttttttt 180
 attggcnccc atnanaaccg gggncacctc ncangngcgc cnaaantngg ggcangactc 240
 anagggggcc atcaaccncc aagnncaanc tgganctcta caaacggcct acgntttntg 300
 nccatgnggg tagggnttta cccgcnatga tgannatggn aanaactttt ncaanccctt 360
 tattaaccaaa tgnnggtgngg agacggaacn tggtta 396

<210> 64
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 64
 tcgacgtcgg ggtttcctgc ttcaacagtg cttggacgga acccgggcgt cgttccccac 60
 cccggccggc cgcccatagc cagccctcog tcacctcttc accgcaccct cggactgccc 120
 caaggccccc gccgcgcgtc cagcgccggc cagccaccgc cgcgcgcgcc gcctntnctt 180
 agtcgccgcc atgacgaccg cgtccacctc gcaggtgctc cagaactacc accaggactc 240
 agaggccgcc atcaaccgcc agatcaacct ggagctctac gcctcctacg tttacctgtc 300
 catgtcttac tactttgacc gcgatgatgt ggctttgaan aactttgcca aatactttct 360
 tcccaatctc atgaggagaa ggaacatgct ganaaa 396

<210> 65
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 65

tttttttttt	tttttttttt	tttttnacca	ataatgcttt	tattttccac	atcaanatta	60
atttatatgt	tagtttttagt	acaagtacta	aaatgtatac	ttnttgccct	aatagctaag	120
gnatacataa	gcttcacccat	acatnttgca	nccnctgtc	tgctctatgt	cattgttata	180
aatgtanana	ttttaggaaa	ctnttttatt	caacctggga	catntatact	gtaggagtta	240
gcaactgacct	gatgtnttat	ttaaaagtaa	tgnatattac	ctttacatat	attccttata	300
tattnaaacg	tatttccatg	ttatccagct	taaaatcaca	tggnnggttaa	aagcatgagt	360
tctgagtcaa	atctggactg	aaatcctgat	gctccc			396

<210> 66
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 66

tcgacttttt	tttttccagg	acattgtcat	aattttttat	tatgtatcaa	attgtcttca	60
atataagtta	caacttgatt	aaagttgata	gacatttgta	tctattttaa	gacaaaaaaaa	120
ttcttttatg	tacaatatct	tgtctagagt	ctagcaaata	tagtaccttt	cattgcagga	180
ttcttgctta	atataacaag	caaaaacaaa	caactgaaaa	aatataaacc	aaagcaaacc	240
aaaccccccg	ctcaactaca	aatgtcaata	ttgaatgaag	cattaaaaga	caaacataaa	300
gtaacttcag	cttttatcta	gcaatgcaga	atgaatacta	aaattagtgg	caaaaaaaca	360
aacaacaaac	aacaacaaa	acaaaacaaa	caaaca			396

<210> 67
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 67

acgcttttgt	ccttcatttt	aactgttatg	tcatactgtt	atgttgacat	atttctttat	60
aagagaatag	aggcaaaagt	atagaactga	ggatcatttg	tatttttgag	ttggaaatta	120
tgaaacttca	ccatattatg	atcacacata	ttttgaagaa	cagactgacc	aaagctcacc	180
tggtttttgt	gttaggtgct	ttggctgaac	ttgattccag	cccccttttc	cctttgggtg	240
tgtgtatgtc	tcttcatttc	ctctcaaadc	ttcaactctt	gccccatgtc	tccttggcag	300
caggatgctg	gcactctgtg	agtcctcata	ctgtttactg	ataaccacaca	aattcatttt	360
catggcagac	ctaagctcag	accctgcctt	gtcctg			396

<210> 68
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 68

acctgagtc	tgctctttct	ctctccccgg	acagcatgag	cttcaccact	cgctccacct	60
tctccaccaa	ctaccgggtc	ctgggctctg	tccaggcgcc	cagctacggc	gccccggccg	120
tcagcagcgc	ggccagcgtc	tatgcaggog	ctgggggctc	tggttccccg	atctccgtgt	180

<400> 74						
cctttttttt	tttttttact	gnngaatatat	acttttttatt	tagtcatttt	tgtttacaat	60
tgaaaactctg	ggaattcaaa	attaacatoc	ttgcccgtga	gcttcttata	gacaccanaa	120
aaagtttcaa	ccttggtgttc	cacattgttc	tgctgtgctt	tgtccaaatg	aacctttatg	180

```
<210> 75
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 76
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 77
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 77						
tttttttttt	tttttttttt	tttttttttt	tatcaacatt	tatatgcttt	attgaaagtt	60
ganaanggca	acagttaa	at	cttacaattg	tgtaanaaac	atgcncanaa	120
acatatgcat	ataactacta	tacaggngat	ntgcaaaaac	ccctactggg	aaatccattt	180

```
<210> 78
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 79
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 80
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 80						
tgtacatagg	catcttattc	actgcacct	gtcacaccca	gcaccccccg	ccccgcacat	60
tatttgaaag	actgggaatt	taatggttag	ggacagtaaa	tctacttctt	tttccaggga	120
cgactgtccc	ctctaaagtt	aaagtcaata	caagaaaact	gtctattttt	agcctaaagt	180

```

aaaggctgtg aagaaaattc attttacatt gggtagacag taaaaaaca gtaaaataac 240
ttgacatgag cacctttaga tccttccctt catggggctt tgggcccaga atgacctttg 300
aggcctgtaa anggattgna atttcctata agctgtatag tggagggatt ggnggggtcat 360
ttgagtaagc cctccaagat acnttcaata cctggg 396

```

```

<210> 81
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 81
gcagctgaag ttcagcaggt gctgaatcga ttctcctcgg cccctctcat tccacttcca 60
acccctccca ttattccagt actacctcag caatttgtgc cccctacaaa tgtagagac 120
tgtatacgcc ttcgaggtct tccttatgca gccacaattg aggacatcct gcatttcctg 180
ggggagttcg ccacagatat tcgtactcat ggggttcaca tggttttgaa tcaccagggn 240
ccgccatcag gagatgcctt tatccagatg aagtctgcgg acagancatt tatggctgca 300
cagaagtggc ataaaaaaaa catgaaggac agatatgttg aagttttcag tgcagctga 360
nganagaaca ttgnngtann nggggggnact ttaaat 396

```

```

<210> 82
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 82
gactcagaaa tgtcagtctc atgaagttca aaagatcgag aatgtttgct atcttggtgg 60
agcagccgca gccaaagcaag taacttgtaa aatgaggaat gccatcacc ctcgagtgtc 120
catcccacat aacttggggg tagagcaca gcgttcccag gaactactca cttaccatc 180
ttggccggtt catttgcttc caccagttct ggaaagagan ggcctagaag ttcaaaaaa 240
aagtaggaaa ngtgcttttg gagaaaatca cctgctcctc agaactgggc ttacaanctg 300
ngaagtacnc tatgtgccac ctaatcctca tatatgacct caagagacnc caataagcat 360
atttcacca cggaatgacc agtgcttttg gtaana 396

```

```

<210> 83
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 83
tttgatttaa ganattttatt attttttttaa aaaaagcaac ttccaggggt gtcattgtac 60
aggttttgcc cagtctccta tagcatggta tagtgataac tgatttttta taacaatgac 120
tcagaggcat tgaagatcca taactatctt ctgaattatc acagaaagaa gaaagttaga 180

```

```

<400> 86
ttttnnactg aatgtttaat acatttgtag gaacagaaga aatgcagtan ggattaanat      60
tttataatta gacattaatg taacagatgn ttcatttttc aaagaagntn ccccttntc      120
cctatctttt tttaatcttc cttanagcaa taantagtaa ttactatatt tgtggacaag      180

```

```
<210> 87
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 88
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 89
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 89
gagagaacag taaacatcca gccttagcat ctctcangag tactgcagat cttcattagc 60
tatattcaca tggagnaatg ctattcaacc tattttcttt atcaaaaacta attttgtatt 120
ctttgaccaa tgttcctaaa ttcactctgc ttctctatct caatcttttt cccctttctc 180

```
<210> 90
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 91
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 92
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 92						
ctnttttnnt	ntttttttcc	ccatcatcca	naaatgggtt	ttattctcag	ccgagggaca	60
gcaggactgg	taaaaactgt	caggccacac	ggttgctg	acagcacc	catgcttgg	120
agggggtggg	agggatggcg	ggggctggnt	gnccacaggc	cgggcatgac	aaggaggctc	180

```
<210> 93
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 94
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 95
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```

<400> 95
cctccacccc ncttanttca tgagattcga naatgncact tntgtgctnt tttnctnntn
tattctnact atttctttct tggngcggna nnaatcccnt ttttnngggc gncctctccn
ncttntnntt tcntggngct ntcccttttc nnnnnaaact tntacnnngt ttanaantnt
60
120
180

```

ttctgnangg gggnttcna aananttttt cncctncct nattccnctc tnaannctcn 240
 cnaattgttt ccccccccn ntagnntatt ttttctaaaa aattaactcc nacgganaaa 300
 attttcccta aaatttcncc tccanatttn gaaaaaacnc gcccgganct nntntncgaa 360
 tntnaatttt tnaaaaaaan ttattttcat cnggnn 396

<210> 96

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 96

cctgggtacc aaatttcttt atttgaagga atggtacaaa tcaaagaact taagtggatg 60
 ttttggacaa cttatagaaa aggtaaagga aaccccaaca tgcattgact gccttggcga 120
 ccagggaagt caccacacgg ctatggggaa attagcccgga ngcttaactt tcattatcac 180
 tgcttccaag ggngtgcttg gcaaaaaaat attccgcaa ccaaactcggg cgctccatct 240
 tgcccagttg gtncgggnc cccaattctt ggatgctttc ncctcttntt ccggaatgng 300
 ctcatgaant cccccaanng gggcattttg ccagnngccn tttngccatt cnagnnggcc 360
 tgatccattt tttccaatgt aatgcncctt cattgn 396

<210> 97

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 97

ctcaccctcc tcntnntnt canaatattg ngaacttnt nctgntcgaa tcaactggcat 60
 taaagganac ctatgtaatt gactaaatt tacnnactan ggaaactttt ttataatant 120
 gcaaaaacat ntnaaaaaga ntgnagttcg cccatttctg cttnggaaga nctcttact 180
 tntaancccn natgngncc tttgggtcaa aanctccgag attattacng ngtncccn 240
 tatttgnct tctttntcc ccaangcnc anatttcnna acttncnt naaatgcctt 300
 tatttnatnn cntttcnacn ncttaannt ccttttnaan aangatccct ncttcaaant 360
 ntttccngt tctngcatt nccnnnnat ttctct 396

<210> 98

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 98

acagggacaa tgaagccttt gaagtgccag tctatgaaga ggccgtgggtg ggactagaat 60
 cccagtgcg cccccaagag ttggaccaac caccctac agcactgttg tgataccccc 120
 agcacctgan gaggaacaac ctaccatcca gaggggccag gaaaagccaa actggaacag 180

```

aggcgaatgg ctcagagggg tncatggcca agaaggaagc cctggaagaa cttcaatcac      240
cttcggtttc gggaccaccg gcttgtgtcc ctgttctgac tgcanaactt ggcgcngtnc      300
cccattanaa cctntgactc nncccttgct ataagnctgt tttggcccct gatgatgata      360
gggtttttat gangacactt gggcaccccc ttaatg                                     396

```

```

<210> 99
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 99
ntnttttttc cgncnaaagg gcaagngttt ncatctttcc tgnccnncna ananngggtn      60
tntgtgcntt tnttttttcc caaaacccgg gtnggggaca ccttttgagg anccactnnt      120
cntccggggc nnnnttttag aagngncta anaagcntct tgnnggggga aaaacatctt      180
tttgcncncc acatacccc aagggggggg ggtgtctggg agganactaa ngactttnt      240
ttttnnccn caaanaactg anggccccca ttgctcccc ccantcttt aaaaaacccc      300
ttcaatttcc ttgncnggna aaaanggttg gnaaaaaang agngngcntc nnttncnttt      360
natggaaggn aaaaggtttt tggttgnaaa accccc                                     396

```

```

<210> 100
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 100
ctaacacggt gaaaccctgt ctctactaaa aatacaaaaa aattagccag gcgtggtggc      60
gggcacctgt agtcccagct gctcaggaag ctgaggcagg agaatggcgt gaaccagaa      120
ggcggagctt gcagtgaact gagatcgtgt cagtgcactc cagcctgggc gacagagcga      180
gactcccgct caaaaaaaa aaaaaaaaga gaaaagaaaa agctgcagng agctgggaat      240
gggcccctat cctccttgg ggatcaatga gaccctttt caaaaanaaa aaaaaataa      300
tgngattttg gnaacatatg gcaactggtc ttcnnggaat tctgtttntn ggcattgnccc      360
cctntgactg nggaaaaatc cagcaggagg cccana                                     396

```

```

<210> 101
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 101
agttataact caacagttca tttatatgct gttcatttaa cagttcattt aaacagttca      60
ttataactgt ttaaaaatat atatgcttat agncaaaaann tggtgtggcg nagttgttgc      120
cgcttatagc tgagcattat ttcttaaatt cttgaatggt ctttggngg gntnctaaaa      180

```

```
<210> 102
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 103
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 104
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 104						
aagggagggc	gcgccaagac	cttcccactc	gngcacactg	ggggcgccga	cangacgcaa	60
cccagtccaa	cttggatacc	cttggnttta	gttctcggac	acttctttta	tctctcogtc	120
gcaacttgtc	aagtttctca	nactgtctct	ctgngntatc	ttttttcttc	gtctctcttc	180

```

nncccccgac gtatttntca aaangtctgc aattgttgna tacntnganc tncaccactg 240
ttacnaggtc atnaatttcn cntcaactct ntncncttg ttccctgata tntcggccgg 300
ngncnccaat tctgtatttt nctentcaac gntctcactt ttncctcctc cnggccactt 360
tctcccttc cttattccgg cnttgtttgc cncat 396

```

```

<210> 105
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 105
tcaatagcca gccagtgttc atttttatcc ttgagctttt agtaaaaact tcctggnttt 60
atttttagtc attgggtcat acagcactaa agtctgctat ttatggaaac taactttttt 120
gtttttaatc caggccaaca tgtatgtaaa ttaaattttt agataattga ttatctcttt 180
gtactacttg agatttgatt atgagatgtg catattgctt tgggaagagc tcgaggaagg 240
aaataattct ctcttttggg ttgaacctca actagataaa ccctaggaat tgtaactgc 300
acaagnattt tcattccaca aaacctgagg cagctctttt gccagagcgt tcctgnacct 360
ccccacccca ctgacctgg gtctttanaa ngagcc 396

```

```

<210> 106
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 106
gctgtgtagc aactgagtg acgcaatcaa tgtttactcg aacagaatgc atttcttcac 60
tccgaagcca aatgacaaat aaagtccaaa ggcattttct cctgtgctga ccaaccaa 120
aatatgtata gacacacaca catatgcaca cacacacaca cacaccaca gagagagagc 180
tgcaagagca tggaaattcat gtgtttaaag ataatccttt ccatgtgaag tttaaaatta 240
ctatatattt gctgatggct agattgagag aataaaaagac agtaaccttt ctcttcaaag 300
ataaaatgaa aagcaattgc tcttttcttc ctaaaaaatg caaaagattt acattgctgc 360
caaatcattt caactgaaaa gaacagtatt gctttg 396

```

```

<210> 107
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 107
ttcacagaac anggtggttt attatttcaa tagcaaagag ctgaaaaatg tcgggtccca 60
taaaggagca gaacctgacc cagagcctgc agtacatttc caccacacag ggggtgcaggc 120
tgggccaggc agggccaaag gcagcagaaa tgggagtaag agactgtgcc cactgagaag 180
ctctgctggg tgtgggcagg tgggcatgan atgatgata tgtagtgtaa ggaccaggta 240
ggcaaaacct gtcaggnttg ntgaatgtca nagtggatcc aaaaggctga gggggtcgtc 300
anaaggccgg nggncccncc ctgcccgtg tgggccttca aaaagtatgc ttgctcatcc 360
gttgttttnc ccanggagct gccanggana aggctn 396

```

<210> 108
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 108
 gcctgctttt gatgatgtct acagaaaatg ctggctgagc tgaacacatt tgcccaattc 60
 cagggtgtgca cagaaaaccg agaatattca aaattccaaa tttttttctt aggagcaaga 120
 agaaaatgtg gccctaaagg gggtttagttg aggggtaggg ggtagtgagg atcttgattt 180
 ggatctcttt ttatttaaat gtgaatttca acttttgaca atcaaagaaa agacttttgt 240
 tgaaatagct ttactgcttc tcacgtgttt tggagaaaaa natcancct gcaatcactt 300
 tttgnaactg ncnttgattt tcngcnncca agctatatcn aatatcgtct gngtanaaaa 360
 tgnctgggnc ttttgaanga atacatgngt gntgct 396

<210> 109
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 109
 ggccgtaggc agccatggcg cccagcccg g aatggcatgg tcttgaagcc ccacttccac 60
 aaggactggc agcggcgcgt ggccacgtgg ttcaaccagc cggcccgga gatccgcaga 120
 cgtaaggccc ggcaagccaa ggcgcgccgc atcgtctcgc gccccgcgtc ggggtccatc 180
 cggcccatcg tgcgctgccc acggttcggt accacacgaa gggcgcgccg gcgcggnntc 240
 agcctggagg agctcagggt ggccggattt acaagaagn gcnngacatc ngtattcttg 300
 ggatncnnga agnggaacaa gtcacngagt ccttgacgc acntcagcgg ntgatgacac 360
 cgttcnaact catctnttcc caagaaacct cngnnc 396

<210> 110
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 110
 nntgggctcc tnncantnat aataaacng actcatacnc cacaaggaga tgaacaggan 60
 tatgtncatn ctgacgcgga aacagngcan ggagctgagg agngccaag atgagaccta 120
 nnggccnngg tgggcgcatt cccgngggag ggggccacta aggantacga nnntcnagcg 180
 gctcttgngg gcngncctcc tcacncctgn ntattcgatt gtcncnnatg ncntcctatn 240
 atnntcanna ttctntnntn atctcntnta cnnctncn ttcatgntta cngntccctc 300
 tcnttctnac cnttntctgn anctccttcc tnnnctttc atctntnttc ngctttcttt 360
 cttnaatent nntttaacnt nntctncttt ntnatt 396

<210> 111
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 111
 taangancat nctggnttnt gcctnnccgn ctnattgant gttaaaggca attntgtggn 60
 tgtcccagng aatgncggct nattttcttt ccacattgng cncattcact cctcccactc 120
 ttggcatgtn gngacataag canggtacat aatngnaaaa atctgnattt ctgatgccan 180
 anggggtanan cntnttgnat ntcattccat tgatatacag ccactntttt atttttgatc 240
 ancggccttc ggntcactgc ncanggtact tgacctcagt gtcactatta tgggnttttg 300
 tttcncctct ttnccggccn ttntntttcn cacnttncan cttnccttnt nnaaaannna 360
 nncactctct cttgctctct ngatacnng tctnaa 396

<210> 112
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 112
 tcaacgtcac caattactgc catttagccc acgagctgcg tctcagctgc atggagagga 60
 aaaagggtcca gattcgaaagc atggatccct ccgccttgge aagcgaccga tttaacctca 120
 tactggcaga taccaacagt gaccggctct tcacagtga c gatgttaaa gntggaggct 180
 ccaagnatgg tatcatcaac ctgcaaagtc tgaagacccc tacgctcaag gtgttcattg 240
 acgaaaacct ctacttcacc aaccggaagg tgaattcggg gggctgggcc tcgctgaatc 300
 acttgattc cacattctgc tatgcctcat gggactcgca gaacttcagg ctggccaccc 360
 tgctcccacc atcactgntn gncaatantc acccag 396

<210> 113
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 113
 nnnntnnnn nggagcctta atttcagagt tttattgtat tgactaaag gaacagcagg 60
 atggntatac aattttctct cattcagttt tgaaaactcg tagtacctgc aaattcttaa 120
 gaataccttt accaccagat tagaacagta agcataataa ccaatttctt aataagtaat 180
 gtcttacaaa taaaaacaca tttaaaatag ctttaaatgc attcttcaca agtaattcag 240
 catatatttt atatcatggt tacttatgct tangaattnn agcaggatnt ttattctttt 300
 gatggaaata tgggaaaact ntattcatgc atatacangg ataatttca gcgaaggga 360
 aatcccgttt ttattttggn aatgattcat atataa 396

<210> 114
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 114
 aaatgggaca acgtgattct tttgttttaa ataaataactn agaacacgga cttggctcct 60
 acaagcattt ggactctaag gnttagaact ggagagtctt acccatgggc ccncncagg 120
 gacgccacgg ttccctccca ccccgngatc aagacacgga atcngntggc gatngttgga 180
 tcgcnatgtg ccccttatct atagccttcc cnggncatnt acangcagga tgcggtggg 240
 anaactacaa ctgnaatntc tcnaacggtn atggtcccca ccgatnaaga ttctacctng 300
 tcttttcttc ccctggagtg tgagtgnng aggaagaagc ccttncctta catcaccttt 360
 tgnacttctg aacaaganca anacnatggc cccccc 396

<210> 115
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 115
 ccgcctgggt cggcccgccct gcctccaactc ctgcctctac catgtccatc aggggtgacc 60
 agaagtccta caaggtgtcc acctctggcc cccgggcctt cagcagccgc tcttacacga 120
 gtgggcccgg ttcccgcatc agctcctcga gcttctcccg agtgggcagc agcaactttc 180
 gcggtggcct ggccggcggt atggtggggc cagcggcatg ggaggcatca cccgcagtta 240
 cggcaaccag agcctgtcga gccccttgcc tggaggngga ccccaacatc aagccgngcg 300
 caccagga aaggagcaga ncaagaccct caacaacaag nttgtcttct catagacaag 360
 ggaccgggtc ttgaacagca naacaagatg ntggag 396

<210> 116
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 116
 atctcagttt actagctaag tgactttggg caagggattt aacctctcgt ccctcagttt 60
 ctcctatgt aaaatgacaa ggataatagt accaaccacaa tgtagattaa atgagtttac 120
 gaagtgttag aatagtgtt ggcacattag tgctttacaa ctgctatttt gattgttggt 180
 gtgggctctc tcaaatgcat tgtctctaga tgccagtgc ccaggtcaaa atttaccttt 240
 aaccaagctg catgtttccc agactgntgc acagtccctc accctgagan aaagcttcca 300
 cccaaggata cttttacttt ctgctggaaa actgatgagc aanggaaca ngggacactt 360
 atcgccaact ggaaangaga aattcttctt tttgct 396

<210> 117
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 117
 aaacattttt taataaaatt cctatagaaa gctcagtcac agggcaaata ctcagttctc 60
 tttcccatat caccgaggat tgagagctcc caatattctt tggagaataa gcagtagttt 120
 tgctggatgt tgccaggact cagagagatc acccatttac acattcaaac cagtagttcc 180
 tattgcacat attaacatta ctgtccccta gcaccctaaa tatatggnac ctcaacaaat 240
 aacttaaaga ttcccggtggg gcgcganacc atttcaattt gaactaatat ccttgaaaaa 300
 aatcacatta ttacaagntt taataaatac nggaagaaga gctggcattt ttctaanaac 360
 tgaattcnga cttggnttta ttccataaat acggtt 396

<210> 118
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 118
 accnncacct gntnnntttt aacnattaca acttctttat atggcagttt ttactgggng 60
 cctaacactc tctttactgn ctcaagngga agtccaaaca aatttcattt ttgtagtaaa 120
 aaatctttat ttccaaaatg atttggttagc caaaagaact ataaaccacc taacaagact 180
 ttggaagaaa gagacttgat gcttcttata aattcccatc tgcanacaaa aaataacaat 240
 ccaacaagag catggtaccc attcttacca ttaacctggn tttaannctc caaancnnga 300
 tttaaaaatg accccactgg gcccaatcca acatganacc taggggggnt tgccttgatt 360
 angaatcccc cttanggact ttatctnggc tganaa 396

<210> 119
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 119
 atggccagct cacttttaaat accacctcaa gactcatcga aatgaccgct ccttcatctg 60
 tcctgcagaa ggttggtgga aaagcttcta tgtgtgcag aggctgaagg tgcacatgag 120
 gaccacaat ggagagaagc cctttatgtg ccatgagtct ggctgtggtg agcagtttac 180
 tacagctgga aacctgaaga accaccggcg catccacaca ggagagaaac ctttcctttg 240
 tgaagcccaa ngatgtggcc gtcctttgct gagtattcta ncttcgaaaa catctggngg 300
 ntactcanga gagaaagcct cattantgcc antctgnggg aaaaccttct ntcagagnng 360
 angcaggaat gtgcatatta aaaagctncc ttgnac 396

<210> 120
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 120
 catgggtcag tcggctcctga gagttcgaag agggcacatt cccaaagaca ttcccagtca 60
 tgaaatgtag aagactggaa aattaagaca ttatgtaaag gtagatatgg cttttagagt 120
 tacattatgc ttggcatgaa taagggtgcc ggaaaacagt ttaaaattat acatcagcat 180
 acagactgct gttagaaggt atgggatcat attaagataa tctgcagctc tactacgcat 240
 ttattgttaa ttgagttaca nangncattc annactgagt ttatagancc atattgctct 300
 atctctgngn agaacatttg attccattgn gaagaatgca gttttaaaata tctgaatgcc 360
 atctagatgt attgtaccna aaggggaaaa ataaca 396

<210> 121
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 121
 tttttttttt ttttttttaa aatcaagtta tgtttaataa acattaataa atgtttactt 60
 aaaagggtta ataaacnttt actacatggc aaattatatt agctagaatg cttttggctt 120
 caagncatan aaaccagatt cnaatgccct taaanaattt tnaaanatcc attgangggg 180
 ataactgtaa tcccgaaggg gaanagggtt gggtatgaca ggtacanggg gccagcccag 240
 tnntnncana nncagactct tacctcttt ctgctgtgnc accctcaggc attggctcca 300
 ttctcngggn tgcncatggg aagatggctt tggacntaac nacacccttt tgtncacgta 360
 aaggccngat gcagggtcaa anagnttcen ccatnt 396

<210> 122
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 122
 gtcgacatgg ctgccctctg ggctcccaga acccacaaca tgaaagaaat ggtgctaccc 60
 agctcaagcc tgggcctttg aatccggaca caaaaccctc tagcttggaa atgaatatgc 120
 tgcactttac aaccactgca ctacctgact caggaatcgg ctctggaagg tgaagctaga 180
 ggaaccagac ctcatcagcc caacatcaaa gacaccatcg gaacagcagc gcccgcagca 240
 cccaccccgcc accggcgact ccattctcat ggccaccccc tgcgggtggac ggttgaccac 300
 cagccaccac atcatcccag agctgagctc ctccagcggg atgacgccgt cccaccacc 360
 tccctcttct tctttttcat cttctgtct ctttgt 396

<210> 123
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 123
 gccctttttt tttttttttt tttcctagt g caggtttat tccctcacat ggggtggttca 60
 catacacagc acanaggcac gggcaccatg gganagggca gcactcctgc cttctgaggg 120
 gatcttgcc tcacggtgta anaaggana ggatggtttc tcttctgcc tcaactagggc 180
 ctagggaacc cagnagcaaa tcccaccacg ccttccatnt ctgagccaag ganaagccac 240
 cttggtgacg tttagttcca accattatag taagtggana agggattggc ctggtcccaa 300
 ccattacagc gtgaanatat aaacagtaaa ggaanataca gtttgatga ggccacagga 360
 aggagcanat gacaccatca aaagcatatg cagggg 396

<210> 124
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 124
 gaccattgcc ccagacctgg aagatataac attcagttcc caccatctga ttaaaacaac 60
 ttcttcctt acagagcata caacagagg ggcacccggg gaggagagca catactgtgt 120
 tccaatttca cgcttttaat tctcatttgt tctcacacca acagtgtgaa gtgcgtggta 180
 taatctccat ttcaaaacca aggaagcagc ctgagagtgg tcgagtgaca cacctcacgc 240
 aggctgagtc cagagcttgt gctcctcttg attcctgggt tgactcagtt ccaggcctga 300
 tcttgctgt ctggctcagg gtcaaaagaca gaatgggtga gtgtagcctc cacctgatat 360
 tcaggctact cattcagtc caaatatgta ttttcc 396

<210> 125
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 125
 ccctttttt ttttttttt ttttttttt ttttttactt tagnaacaaaa atttattagg 60
 attaatgcaa attaaaaaac ttcatgcncc ncncttgtc atatttacct gaaatgacaa 120
 agttatactt agcttgagng naaaacttgn gccccaaaaa ttntgtttgg aaagcaaaaa 180
 aataattgat gcncatagca gngggcctga tncnccaca gngaattgtg tttaaggnc 240
 aacaaacagg ggnanacaaa gcatacatc cttttaagct ttgggnccaa ggaaaangtc 300
 attccctacc tccttcaaaa gcaaactcat natagcctgg gncctaggn ctggagcctn 360
 ttttttgcag tctaanatga acatntggat ttcaan 396

<210> 126
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 126
 cgcgtgcact cgcaagtgga atgtgacgtc cctggagacc ctgaaggctt tgcttgaagt 60
 caacaaaggg caggaatga gtcctcaggt ggcacccctg atcgaccgct ttgtgaaggg 120
 aagggggcag ctgacaaaag acaccctaga caccctgacc gccttctacc ctgggtacct 180
 gtgctccctc agccccgagg agctgagctc cgtgcccccc agcagcatct gggcggtcag 240

gccccacgac ctggacacgc tggggctacg gctacagggc ggcaccccc aaggctacct 300
 ggtcctagac ctgagcatgc aagaggccct ctgggggacg ccctgcctcc taggacctgg 360
 acctgttctc accgtcctgg cactgctcct agcctc 396

<210> 127
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 127
 tttttttttt ttggnggtaa aatgcaaagt ttttaaaata tgtttatatt gtatgtttta 60
 caatgaatac ttcagcaaag aaaataatta taatttcaaa atgcaatccc tggatttgat 120
 aaatatcctt tataatcgat tacactaatc aatatctaga aatatacata gacaaagtta 180
 gctaataaat aaaataagta aaatgactac ataaactcaa tttcagggat gagggatcat 240
 gcatgacag ttaagtcact ctgccacttt ttaaaataat acgattcaca tttgcttcaa 300
 tcacataaac attcattgca ggagttacac ggctaatacat tgaaaattat gatctttgtt 360
 agcttaaaag aaaattcagt ttaatacaaa gacatt 396

<210> 128
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 128
 gccctttttt ttttttttta aaggcaaata aaataagttt attgggatgt aaccccatca 60
 taaattgagg agcatccata caggcaagct ataaaatctg gaaaatttaa atcaaattaa 120
 attctgcttt taaaaagggtg ccttaagtta accaagcatt ttgataacac attcaaattt 180
 aatatataaa aatagatgta tcctggaaga tataatgaan aacatgccat gtgtataaat 240
 tcanaatacg cttttttacac aaagaactac aaaaagttac aaagacagcc ttcaggaacc 300
 acacttagga aaagttagcc gagcagcctt cagcgaagc ctccttcaaa naagtctcac 360
 aaagactcca gaaccagccg agtntgtgaa aaagga 396

<210> 129
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 129
 gccctttttt tttttttttt ttttactcag acaggcaata tttgctcaca tttattctct 60
 tgcacgtaa atagtagcca actcacaaaa ataaagtata caanaatgta atatttttta 120
 aaataagatt aacagtgtga gaaggaaaat ctcaaaaaaa gcanatagac aatgtanaaa 180
 attgaaatga aatcccacag taanaaaaaa aaaacanaaa agtgccatt taanaattat 240

gctacatgtg gaacttaact agaccatgtt aanaaagacc aattttcta gcaaattttc 300
 tgagggtttc anattttatt tttaaaatat gttatagcta catgttgctn acncggccgc 360
 tcgagtctan agggcccgtt taaacccgct gatcag 396

<210> 130
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 130
 cgcccttttt tttttttttt tanngnacgt gncctttatt ctggatgata taaaanaaaa 60
 aacttaaaaa acaccccaaa ccaaacacca atggatcccc aaagcgatgt gactccctct 120
 tcccacccgg ataaatagag acttctgtat gtcagtctac cctcccgcgc ccataacccc 180
 ctctgtata nacatactct gggatatata tactctactc ggcaatagac atctcccgaa 240
 aatagaattc ctgccctgac acctgactct tccctggccg catcanacca cccgccactg 300
 tagcacactg gtgtccttgc cccctgtggt cagggccatg ctgtcatccc acaanaaggc 360
 cacatttgtc acatggctgc tgtgtccacc gtactt 396

<210> 131
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 131
 gccctttttt tttttttttt tttttttttt ttcagtttac acaaaaaacnc ttttaattgac 60
 agtatacnnt tttccaaaat atnttttngt aanaaaatgc aataattatt aactatagtt 120
 tttacaaaca agttntnctn taaattccag tgtntctnaa accccnnncn annaaaacat 180
 atatganccc ccagttcctg ggcaaaactgt tgaacattca ctgcanacaa aaagaccanc 240
 nccaaanagt catctgngnc ctccatgctg ngtttgcacc aaacctgagg gancagctag 300
 ngaccgtgac aaaagctntg ctacagtttt actntngccc tntntgcctc ccccatnatg 360
 tttccttggt ccctcantcc tgtnggagta agttcc 396

<210> 132
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 132
 cgcgtcgacc gcggccgtag cagccggggt ggtcctgctg cgagccggcg gcccgagtg 60
 gggcggcgnt atgtacctc cacattgagt attcagaaag aagtgatctg aactctgacc 120
 attctttatg gatacatata gtcaaatata agagtctgac tacttgacac actggctcgg 180
 tgagttctgc tttttctttt taatataaat ttattatgtt ggtaaattta gcttttggct 240

tttcactttg	ctctcatgat	ataagaaaat	gtaggttttc	tctttcagtt	tgaattttcc	300
tattcagtaa	aacaacatgc	tagaaaacaa	acttttggaa	aggcattgta	actatttttt	360
caaatagaac	cataataaca	agtcttgtct	taccct			396

<210> 133
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 133

ntattacccc	tcctggnnan	ntggnnatan	nctgcaaggn	gatnnncccg	nngaacttca	60
ctgatnnncc	aatnaaaact	gctttaaanc	tgactgcaca	tatgaattnt	aatacttact	120
tngcgggagg	ggtggggcag	ggacagcaag	ggggaggatt	gggaanacaa	tagacaggca	180
tgctggggat	gcngcgggct	ctatggcttc	tgangcgnaa	agaaccagct	ggggctctag	240
ggggatatcc	cacgcgccct	gtagcngcnc	attaaacgcg	gcgggtgtgg	nggttacttc	300
gcaaagnac	cgatncactt	gccagcgccc	tagctgcccc	ctcctttngc	tttcttcctt	360
tcctttctcg	ccacnttnnc	cggtntccc	cgncaa			396

<210> 134
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 134

tttttttttt	ttctgttttt	tatatgttta	aaaatctctc	attctattgc	tgctttatatt	60
aaagaaagat	tactttcttc	cctacaagat	ctttattaat	tgtaaaggga	aatgaataa	120
ctttacaatg	ganacacctg	gcanacacca	tcttaaccaa	agcttgaagt	taacataacc	180
agtaatagaa	ctgatcaata	tcttgtgcct	cctgatattg	ngtactaana	aaaacacaac	240
atcatgccat	gatagtcttg	ccaaaagtgc	ataacctaaa	tctaatacata	aggaaacatt	300
anacaaaactc	aaattgaagg	acattctaca	aagtgccctg	tattaaggaa	ttattcanag	360
taaaggagac	ttaaaagaca	tggcaacaat	gcagta			396

<210> 135
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 135

gcgtcgacgc	tggcagagcc	acaccccaag	tgctgtgccc	cagagggcctt	cagtcagctg	60
ctcactcctc	cagggcactt	ttaggaaagg	gttttttagct	agtgtttttc	ctcgttttta	120
atgacctcag	ccccgcctgc	agtggctaga	agccagcagg	tgcccatgtg	ctactgacaa	180
gtgcctcagc	ttccccccgg	cccggttcag	gccgtgggag	ccgctattat	ctgcgtttctc	240
tgccaaagac	tcgtgggggc	catcacacct	gccctgtgca	gcggagccgg	accaggctct	300
tgtgtcctca	ctcaggtttg	cttccccctg	gccactgct	gtatgatctg	ggggccacca	360
ccctgtgccg	gtggcctctg	ggctgcctcc	cgtgggt			396

<210> 136

<211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 136
 ttatgcttcc ggctcgtntg ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa 60
 acagctatga ccatgattac gccaaagctat ttaggtgaca ctatagaata ctcaagctat 120
 gcatcaagct tggtagcgag ctccgatcca ctagtaacgg ccgccagtgt gctgggaattc 180
 gcggncgntc nantctagag ggcccgttta aaccgcgtga tcagcctoga ctgtgccttc 240
 tagttgccag ccatctgttg tttgcccctc ccccgctgct tccttgaccc tgggaagggtgc 300
 cactcccact gtcctttcct aataaaatga ggaaattgca tcgcattgtc tgagtaggtg 360
 tcattctatt ctgggggggtg ggggtggggca ggacan 396

<210> 137
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 137
 tttttttttt ttctgctttg tacttgagtt tatttcacaa aaccacggag aaagatactg 60
 aaatggagct ctttccagcc tccaagcaag gaggccccag cagccagtct ccagcccctt 120
 gagccctttt tgtaggccc acacccaaaa gagganaacc agtgtgtgcg cgaagggtaca 180
 tggcaaggca cttttgaaaa catcccagtt taccgnggtg aaattgaact tactctgaaa 240
 cagatgaaaa gggacatgca aaattgctga gcacatggag gtgtttgtta gtaggtgaaa 300
 atcatgtcct ggggtataacc cagcttctcc aggttaggtg gagccgccgt ctggatcagt 360
 ggtggcgggc cacacaccag gatgagcgtg gacttc 396

<210> 138
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 138
 cccttttttt ttttttttac aaatgagaaa aatgtttatt aagaaaacaa tttagcagct 60
 ctoccttana attttacaga ctaaagcaca acccgaaggc aattacagtt tcaatcatta 120
 acacactact taaggngctt gcttactcta caactggaaa gttgtggaag tttgtgacat 180
 gccactgtaa atgtaagtat tattaanaaa tacaaattgt ttggtgatta ttttgatgac 240
 ctcttgagca gcagctcccc ccaanaatgc ancaatggta tgtggctcac cagctccata 300
 tcggcaaaat tcgtggacat aatcatcttt caccattaca gataaaccat attcctgaag 360
 gaagccagtg agacaagact tcaactttcc tatatc 396

<210> 139

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 140
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 141
<211> 396
<212> DNA
<213> Homo sapien
```

```
<210> 142
<211> 396
<212> DNA
<213> Homo sapien
```

<400> 142

```

acgcaggaga ggaagcccag cctgtttctac cagagaactt gcccaggta gaggtctgcg      60
tagaagccct tttctgagca tcctctcctc tcctcacacc tgccactgtc ctctgcgttg      120
ctgtcgaatt aaatcttgca tcaccatggt gcacttctgt ggccactca ccctccaccg      180
ggagccagtg ccgctgaaga gtatctctgt gagcgtgaac atttacgagt ttgtggctgg      240
tgtgtctgca actttgaact acgagaatga ggagaaagt cctttggagg ccttctttgt      300
gttcccatg gatgaagact ctgctgttta cagctttgag gccttggtgg atgggaagaa      360
aattgtagca gaattacaag acaagatgaa ggcccg                                396

```

```

<210> 143
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 143
tttttttttt tttccatana aaataggatt tattttcaca ttttaaggnga acacaaatcc      60
atgttccana aatgttttat gcataacaca tcatgagtag attgaatttc tttaacacac      120
anaaaaaatca aagcctacca ggaaatgctt ccctccggag cacaggagct tacaggccac      180
ttntgttagc aacacaggaa ttcacattgt ctaggcacag ctcaagngag gtttgttccc      240
aggttcaact gtcctacccc ccatgggccc tcctcaaaaa cgacagcagc aaaccaacag      300
gcttcacagt aaccaggagg aaagatctca gngggggaac cttcacaaaa gccctgagtt      360
gtgtttcaaa agccaagctc tgggggtctgn ggccctg                                396

```

```

<210> 144
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 144
tttttttttt tttcgctctt tgggtctgaca agaaaagagt tttaggtgtg tgaagtaggg      60
tgggaaaaaa ggtcagtttc aaattcagta acatatggta acactaagtt aggctgctgc      120
attcttttct ttgggtactt aagccagctg gcacttcac tttgtaacca attatattat      180
gatcaacaac taatcagtta gttcctcagc ttcaactgaa nagttcctga ttacctgatg      240
aaggacatac ttgctctggc ttcaattagc atgctgtcaa gcacccctct ccatgcttaa      300
catggcaaca caaaacccaa gagtccttct ntttttttca ttagccatga ataaacactc      360
acaaagggga agagtagaca ctgcttttag taaacg                                396

```

```

<210> 145
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 145

```

tttttttttt	tttttttcaa	tggatccggt	agctttacta	ctaanatctt	gctganatca	60
nanaagggt	tctgggcagg	ctgagcactg	ggggtgtgca	acatggtaac	tctgaataan	120
anaaaccttg	agttttactg	ggcaaanaaa	naacaagngg	taggtatgat	ttctgaacct	180
ggaaatagcg	aaaatgaagg	aaattccaaa	agcgcgtatt	tccaaataat	gacaggccag	240
caagaggaca	ccaaacctnt	anaaagaggt	attntttctt	ccagctactg	atggcttttg	300
catcccacag	gcacattcct	ttggccttca	ggatcttana	tgcanatgtg	ganagtcaag	360
aggtaggctg	actctgagtc	ttcagctaaa	ttcttt			396

<210> 146

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 146

tttttttttt	ttttcattag	caaggaagga	tttatttttt	cttttgaggg	gagggcgga	60
cagccgggat	ttttggaaca	ctacctttgt	ctttcacttt	gttgtttggt	tgtaaacacn	120
aataaatcan	aagcgacttt	aaatctccct	tcgcaggact	gtcttcacgt	atcagngcan	180
acaanaaaac	agtggcttta	caaaaaanat	gttcaagtag	gctgcacttt	gcctctgngg	240
gtgaggcaca	ctgngggana	nacaaggtcc	cctgnaacca	gagnggggaa	ggacanagct	300
ggctgactcc	ctgctctccc	gcattctctc	ctccatgtgt	tttgaanagg	gaagcaacat	360
gttgaggtct	gatcatttct	accaggggaa	cctggt			396

<210> 147

<211> 396

<212> DNA

<213> Homo sapien

<400> 147

acggggaagc	caagtgaccg	tagtctcatc	agacatgagg	gaatgggtgg	ctccagagaa	60
agcagacatc	attgtcagtg	agcttctggg	ctcatttgct	gacaatgaat	tgctgcctga	120
gtgcctggat	ggagcccagc	acttcctaaa	agatgatggt	gtgagcatcc	ccggggagta	180
cacttccctt	ctggctccca	tctcttcttc	caagctgtac	aatgaggtcc	gagcctgtag	240
ggagaaggac	cgtgaccctg	aggcccagtt	tgagatgcct	tatgtggtac	ggctgcacaa	300
cttccaccag	ctctctgcac	cccagccctg	tttcaccttc	agccatccca	acagagatcc	360
tatgattgac	aacaaccgct	attgcacctt	ggaatt			396

<210> 148

<211> 396

<212> DNA

<213> Homo sapien

<400> 148

acgtcccatg	attgttccag	accatgactc	ttcctggttg	tgggtttggt	acagagcagg	60
agaagcagag	gttatgacag	ttatgcagac	tttccccctc	ctttttctct	tttctcttcc	120
ccttgctttt	ccactgtttc	ttcctgctgc	cacctgggcc	ttgaattcct	gggctgtgaa	180
gacatgtagc	agctgcaggg	tttaccacac	gtgggagggc	agcccagtac	tgtccctctg	240
ccttccccac	tttgagaata	tggcagcccc	tttcattcct	ggcttggggg	aggggagacc	300
attgaagtag	aagcctcaaa	gcagactttt	ccctttactg	tgtgtactcc	aggacgaaga	360
aggaagatca	tgcttgatac	ttagattggt	tttccc			396

<210> 149

<211> 396

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 149
 tttttttttt tttaaagagt cacattttat tcaatgccta tttgtacatg ttactagcaa 60
 taaactcttt tatctttaat ttgagaagt ttacaaata cagcaaagca gaatgactaa 120
 tagagccggt aaccaggaca cagatttgga aaaataggtc taattggttg ttactactgtg 180
 tttatgtcat acatttcgct tatttttatt aaanaaaaat cagaatttat aaaatgttaa 240
 ttaaaaggaa aacattctga gtaaatttag tcccgtgttt ctctctccaa atctntttgt 300
 tctacactaa caggtcagga taagtatgga tggggaggct ggaaaaaggg catccttccc 360
 catgcggtcc ccagagccac cctctccaag caggac 396

<210> 150
<211> 396
<212> DNA
<213> Homo sapien

<400> 150
 acgcctctct tcagttggca cccaaacatc tggattggca aatcagtgga aagaagttcc 60
 agcatctgga cttttcagaa ttgatcttaa gtctactgtc atttccagat gcattatatt 120
 acaactgtat ccttggaat atatttctag ggagaatatt attgaagaaa atgttaatag 180
 cctgagtcaa atttcagcag acttaccagc atttgtatca gtggttagcaa atgaagccaa 240
 actgtatctt gaaaaacctg ttgttccttt aaatatgatg ttgccacaag ctgcattgga 300
 gactcattgc agtaatttt ccaatgtgcc acctacaaga gagatacttc aagtctttct 360
 tactgatgta cacatgaagg aagtaattca gcagtt 396

<210> 151
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 151
 acaaaatgcc cagcctacag agtctgagaa ggaaatttat aatcaggtga atgtagtatt 60
 aaaagatgca gaaggcatct tggaggactt gcagtcatac agaggagctg gccacgaaat 120
 acgagaggca atccagcatc cagcanatga gaagttgcaa gagaaggcat ggggtgcagt 180
 tgttccacta gtaggcaaat taaagaaatt ttacgaattt tctcagaggt tagaagcagc 240
 attaagaggt cttctgggag ccttaacaag taccctatat tctcccaccc agcatctana 300
 gcgagagcag gctcttgcta aacagtttgc anaaattctt catttcacac tccggtttga 360
 tgaactcaag atgacaaatc ctgccatata gaatga 396

<210> 152
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 152

acgcagcgcct	cggcttctctg	gtaattcttc	acctcttttc	tcagctccct	gcagcatggg	60
tgctgggccc	tccttgctgc	tcgccgccct	cctgtctgtt	ctctccggcg	acggcgccgt	120
gcgctgcgac	acacctgcca	actgcaccta	tcttgacctg	ctgggcacct	gggtcttcca	180
ggtgggctcc	agcggttccc	agcgcgatgt	caactgctcg	gttatgggac	cacaagaaaa	240
aaaagtagng	gtgtaccttc	agaagctgga	tacagcatat	gatgaccttg	gcaattctgg	300
ccatttcacc	atcatttaca	accaaggctt	tgagattgtg	ttgaatgact	acaagtgggt	360
tgcccttttt	aagtataaag	aagagggcag	caaggt			396

<210> 153

<211> 396

<212> DNA

<213> Homo sapien

<400> 153

ccagagacaa	cttcgcggtg	tggtgaactc	tctgaggaaa	aacacgtgcg	tggaacaag	60
tgactgagac	ctagaaatcc	aagcgttgga	ggctctgagg	ccagcctaag	tcgcttcaaa	120
atggaacgaa	ggcgtttgcg	gggttccatt	cagagccgat	acatcagcat	gagtggtggt	180
acaagccac	ggagacttgt	ggagctggca	gggcagagcc	tgctgaagga	tgaggccctg	240
gccattgccg	ccctggagtt	gctgccagg	gagctcttcc	cgccactctt	catggcagcc	300
tttgacggga	gacacagcca	gaccctgaag	gcaatggtgc	aggcctggcc	cttcacctgc	360
ctccctctgg	gagtgctgat	gaagggacaa	catctt			396

<210> 154

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 154

acagcaaacc	tcctcacagc	ccactgggtcc	tcaagagggg	cnacntcttc	acacatcanc	60
acaactacgc	attgcctccc	tnactcgga	aggactatcc	tgctgccaag	aggggtcaagt	120
tggaagtggt	cagagtcctg	agacagatca	gcaacaaccg	aaaatgcacc	agccccaggt	180
cctcggacac	cgaggagaat	gtcaagaggc	gaacacacaa	cgtcttggag	cgccagagga	240
ggaacgagct	aaaacggagc	ttttttgccc	tgctgacca	gatcccggag	ttggaaaaca	300
atgaaaaggc	ccccaaaggt	gttatcctta	aaaaagccac	agcatacatc	ctgtccgtcc	360
aagcagagga	gcaaaaagctc	atttctgaag	aggact			396

<210> 155

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 155

tttttttttt	tgaananaca	ggtctttaat	gtacggagtc	tcacaaggca	caaacaccct	60
------------	------------	------------	------------	------------	------------	----

caccaggacc	aaataaataa	ctccacgggt	gcaggaaggc	gcggtctggg	gaggatgcgg	120
catctgagct	ctcccagggc	tggtagggcg	gccggggggtc	tgcatgtctgt	gaggggcctc	180
ctgggtgtgt	cggggcctct	anagcgggtc	cagtctccag	gatggggatc	gctcactcac	240
tctccgagtc	ggagtagtcc	gccacgaggg	aggagccgan	actgcagggg	tgccgcgtgt	300
cgggggtgtc	agctgcctcc	tgaggaggagc	ctgctggcna	caggggcttg	tcttgacggc	360
tcccttctctg	ccccctcggg	ctgctgcact	tggggg			396

<210> 156
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

gaaggggggc	ngggcagggg	cggaatgtan	anattantgc	catgattgaa	gatttaagaa	60
acgtgagatt	caggattttc	accacatccc	catttagtta	gcttgctcgt	ttggctgggtg	120
caaatgccag	atggattatg	aacaatgaca	gtaaattaat	gcaacataat	caggtaatga	180
tgccaagcgt	atctggtgtt	ccagggtattg	tacctttacc	ggaacaaatc	agtaaatcca	240
caatccctgg	cacctgttag	gcagctatta	acctagttaa	tgctcccca	tcccatctca	300
atcagcaang	acaatcaaaa	acatttgctt	tnagtggcag	gaacactggg	acatttttac	360
ttgctccaag	ggctgtgcc	acgtccctc	tctctg			396

<210> 157
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

tttttttttt	tttttgggga	atgtaaatct	tttattaaaa	cagttgtctt	tccacagtag	60
taaagctttg	gcacatacag	tataaaaaat	aatcacccac	cataattata	ccaaattcct	120
nttatcaact	gcatactaag	tgttttcaat	acaatttttt	ccgtataaaa	atactgggaa	180
aaattgataa	ataacaggta	ananaaagat	atttctaggc	aattactagg	atcatttgga	240
aaaagtgagt	actgnnggata	tttaaaatat	cacagtaaca	agatcatgct	tgttcctaca	300
gtattgcggg	ccanacactt	aagtgaagc	anaagtgttt	gggtgacttt	cctacttaaa	360
attttgnca	tatcatttca	aaacatttgc	atcttg			396

<210> 158
 <211> 396
 <212> DNA
 <213> Homo sapien

tttccgaaga	cgggcagctt	cagagaagag	gattattcgg	gagattgctg	gtgtggccca	60
tagactcttt	ggcatagact	ctttcgcagg	cagccactct	gagtgtggcc	agttctataa	120
ccatcccca	actagctgga	gcctgatgga	taggaacggg	tagtctgtcc	tcttccccat	180
aaaaatgttc	caaaaagtta	tctccagaga	gagtccctta	tgaagacagt	tgccaagctg	240
tattctcatt	ctttaaacca	ataccaggt	cagggctagt	tcacactagc	actgttaggg	300
acatggtgtg	gctagaaatg	aattgagtgt	gacttctccc	tacaaccca	ggcccaggga	360

taggaggagg cagaggggtg cctggagttt ctgcac

396

<210> 159
<211> 396
<212> DNA
<213> Homo sapien

<400> 159

tccgcgcgtt	gggaggtgta	gcgcggtct	gaacgcgctg	agggccgttg	agtgtcgcag	60
gcggcgagg	cgcgagtga	gagcagaccc	aggcatcgcg	cgccgagaag	gccgggctc	120
cccacactga	aggtccggaa	aggcgacttc	cgggggcttt	ggcacctggc	ggaccctccc	180
ggagcgtcgg	cacctgaacg	cgaggcgctc	cattgcgcgt	gcgcgttgag	gggttcccc	240
cacctgatcg	cgagacccca	acggctggtg	gcgtcgccctg	cgctctcgg	ctgagctggc	300
catggcgca	ctgtgcgggc	tgaggcggag	ccgggcgttt	ctcgccctgc	tgggatcgct	360
gctcctctct	ggggtcctgg	cggccgaccg	agaacg			396

<210> 160
<211> 396
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 160

ggaaaccttc	tcaactaaga	gaacatcatt	tctggcaaac	tatTTTTgtt	agctcacaat	60
atatgtcgta	cactctacaa	tgtaaatagc	actganccac	ancttacaga	aggtaaaaag	120
angnataana	acttccttta	caaaanantt	cctgttggtc	ttaatactcc	ccattgctta	180
tganaattnt	ctatangtct	ctcangantg	ttcgcaacca	tttctttnt	aacttctact	240
aaaaanccat	ttacattgna	nagtgtacna	cntatatattg	ngagctaaca	aaaaatngtt	300
ttccnganat	gatgttcttt	tagtttnaga	nggttcnnnc	aanttnctac	tcngccccgc	360
cactgnncnc	cacatttnnn	naattacacc	ncacng			396

<210> 161
<211> 396
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 161

tttttgtttg	attattttta	ttataatgaa	attaaactta	tgactattac	agtatgotca	60
gcttaaaaaa	tttatgagta	ctgcaaggac	taacagaaac	aggaaaaatc	ctactaaaaa	120
tatttgttga	tgggaaatca	ttgtgaaagc	aaacctccaa	atattcattt	gtaagccata	180
agaggataag	cacaaccata	tgggaggaga	taaccagtct	ctcccttcat	atatattctt	240
ttttatttct	tggtatacct	tcccaaaaaca	nanacattca	acagtagtta	gaatggccat	300
ctcccaacat	tttaaaaaaa	ctgcnccccc	caatgggtga	acaaagtaaa	gagtagtaac	360
ctanagttca	gctgagtaag	ccactgtgga	gcctta			396

<210> 162
<211> 396
<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 162

tttttttttt	tttttttttt	tttttttttt	ttnggggncc	aaattttttt	ntttgaagga	60
angggacaaa	nnaaaaaact	taaggggntg	ttttggnnnc	acttanaaaa	aagggaaaagg	120
aaaccccaac	atgcatgcc	tncttgggg	accanggaan	ncnccccnc	ggtntgggga	180
aantaacccn	aggnttaact	tttattatca	ctgncnccca	gggggggctt	nnaaaaaaaa	240
nnttccccca	anccaaantn	gggnncnccc	attnncnca	anttggnnc	cnggncnccc	300
nattttttga	ngggtttcnc	cngcncattn	agggaanggg	nntcaannaa	accncncaa	360
nggggggnnat	ttttntcang	ggccnatttg	ngcnnt			396

<210> 163

<211> 396

<212> DNA

<213> Homo sapien

<400> 163

cactgtccgg	ctctaacaca	gctattaagt	gctacctgcc	tctcaggcac	tctcctcgcc	60
cagttttctga	ggtcagacga	gtgtctgcga	tgtcttcccg	cactctattc	ccccagcctc	120
ttttctgttt	catgtctcagc	acatcatctt	cctaggcagt	ctcttcccca	aagtctcacc	180
ttttcttcca	atagaaaatt	ccgcttgacc	tttggtgcac	tgcccacttc	ccagctccac	240
tggcccaagt	ctgagccgga	ggcccttggt	ttggggggcg	ggggagaggt	ggatgtgatt	300
gcccttgaag	aacaaggctg	acctgagagg	ttcctggcgc	cctgaggtgg	ctcagcacct	360
gcccagggta	ggcctggcat	gaggggttag	gtcagc			396

<210> 164

<211> 396

<212> DNA

<213> Homo sapien

<400> 164

gacacgcg	gggtgcctgt	gttggccatg	gccgactacc	tgattagtgg	gggcacgtcc	60
tacgtgccag	acgacggact	cacagcacag	cagctcttca	actgcggaga	cggcctcacc	120
tacaatgact	ttctcattct	ccctgggtac	atcgacttca	ctgcagacca	ggtggacctg	180
actttctgtc	tgaccaagaa	aatcaactct	aagacccac	tggtttcctc	tcccattgac	240
acagtcacag	aggctgggat	ggccatagca	atggcgctta	caggcggtat	tggcttcac	300
caccacaact	gtacacctga	attccaggcc	aatgaagtcc	ggaaagtga	gaaatatgaa	360
cagggattca	tcacagaccc	tgtggtctcc	agcccc			396

<210> 165

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 165

tttttttttt	tttttttttt	ttttttcang	ggncactgag	gctttttatt	ttganncnaa	60
aaccnccggg	gatctancct	gnggccnccc	cggaaathnac	ncnaggctca	catnactnta	120

```

aacncttggg ggaaagggag gcaaaaaaaaa caatgacttg ggccaattnc ncnactgcaa 180
agntanant gccaacaggg ctccagggag ctgtgnttnt gtaaaanttn taaggaagcg 240
gnnnaactc cncggggggg gggcncctaac tancagggac ccctgcaagn gttggncggg 300
ggcctcaacc tgcctgagct nacncaaggg gnggggtntn tntanccaac aggggaccna 360
agggcttgcc tnceccacagn ttacttggcc aagggg 396

```

```

<210> 166
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 166
ttttttcaaa ttcagagcat ttttattaaa agaacaaaat attaaggcac aaaatacatc 60
aatttttcaa atgaaaaccc ttcaaacggt tatgtcctac attcaacgaa acttcttcca 120
aattacggaa taatttaact ttttaaaata naaaaataca agttcttaaa tgcctaaaat 180
ttctcccaa ataatgttt tcttagtttt aatgaagtct cttcatgcag tactgagctc 240
caatattata atgtncactt ccttaaaaaat ctagttttgc cacttatata cattcaatat 300
gtttaaccag tatattaacc agtatattaa ccaatatgtt aaacttcttt taagtataag 360
gcttggtatt ttgtattgct tattgcatgc tttgat 396

```

```

<210> 167
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 167
tggcggcagc ggcggtggcg gtggctgagc agaggacccg gcggggcgcc tcgcggttca 60
ggacacaatg tttgcacgag gactgaagag gaaatgtgtt ggccacgagg aagacgtgga 120
gggagccctg gccggcttga agacagtgtc ctcatcacgc ctgcagcggc agtcgctcct 180
ggacatgtct ctggtgaagt tgcagctttg ccacatgctt gtggagccca atctgtgccg 240
ctcagtcctc attgccaca cggctccggca gatccaagag gagatgacgc aggatgggac 300
gtggcgcaca gtggcaccac aggctgcaga gcgggcgcgc ctcgaccgct tggctctcac 360
ggagatcctg tgccgtgcag cgtgggggca agaggg 396

```

```

<210> 168
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 168
taggatggtg agagtattat aaggattggt acaaggcatg atgagtcctt ttgcttttag 60
gcttttgact tctggtttta gactttcttt agcttctgtt gttagacaac attgtgcaag 120
cttggttttt ataagtttgc atggattaaa ctgaacttaa tgaaattgtc cctcccccca 180
aattctcagc acaattttta ggcccacaag gagtcaagca cctcaaggag atcttcagtt 240
tgaacttggt gtagacacag ggatactgat gaatcaatat tcaaattagc tgttacctac 300
ttaagaaaga gaggagacct tggggatttc gaggaagggt tcataaggga gatttttagct 360
gagaaatacc atttgcacag tcaatcactt ctgacc 396

```

```

<210> 169
<211> 396
<212> DNA
<213> Homo sapien

```

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 169
 tttttttttt tttcanaatt aaattcttta atacaaaatg cttttttttt tttaaaaanat 60
 atctgtattt ctttgnctgt gttnaaaaaat aaatatgtnc tacggaatat ntcnaaaaaac 120
 tgcnctaaaa acaaanacgn gatgttaata tcttttcccc ncaattntta cggataaaca 180
 gtancccccna taaataaatg atanonaatn ttaaaattaa aaaagganan anatttagta 240
 tgnaaaattc tctatttttt cttggtttgg ttttncntat aaaaaacana atagcaatgt 300
 ntnttttatc anaatcccnt ntntnccctaa acnttttttt tttnttttnc cccnaatnc 360
 aagngccaa anatntntnt agnatgnana tgtntn 396

<210> 170
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 170
 tgagaagtac catgccgctt ctgcagagga acaggcaacc atcgaacgca acccctacac 60
 catcttccat caagcactga aaaactgtga gcctatgatt gggctggtac ccatectcaa 120
 gggaggccgt ttctaccagg tccctgtacc cctaccggac cggcgtcgcc gcttcttagc 180
 catgaagtgg atgatcactg agtgccggga taaaaagcac cagcggacac tgatgccgga 240
 gaagctgtca cacaagctgc tggaggcttt ccataaccag ggccccgtga tcaagaggaa 300
 gcatgacttg cacaagatgg cagaggccaa ccgtgccctg gcccactacc gctggtggta 360
 gagtctccag gaggagccca gggccctctg cgcaag 396

<210> 171
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 171
 ggtcctcgtc gtggtgagcg cagccactca ggctggctct ggggggtggg ctgtagggga 60
 aagtgtctaa gccgctgagt gaagtaagaa ctctgctaga gaggaaaatg ggcttgcttt 120
 catcatcatc ctntctagct ggtgggggtca agtgggaagt tctgtcactg ggatctgggt 180
 cagtgtctca agaccttgcc ccaccacgga aagccttttt cacntacccc aaaggacttg 240
 gagagatgtt agaagatggn tctnaaanat tcctctgcna atntgttttt agctatcaag 300
 tggcttcccc ccttaancag gnaaaacatg atcagcangt tgctcggatg gaaaaactan 360
 cttggtttgn naaaaaanct ggaggcttga caatgg 396

<210> 172
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 172

agccttgggc	caccctcttg	gagcatctgg	ctgtcgaatt	cttgtgaccc	tgttacacac	60
actggagaga	atgggcagaa	gtcgtggtgt	tgagccctg	tgcatgggg	gtgggatggg	120
aatagcaatg	tgtgttcaga	gagaatgaat	tgcttaaact	ttgaacaacc	tcaatttctt	180
tttaaactaa	taaagtacta	ggttgcaata	tgtgaaaaaa	aaaaaaaaag	ggcgggccgnt	240
cnantntana	gggcccnttn	aaacccgttg	atcaacctcg	actgtgcctt	ctagttgccca	300
gccatctgtt	gtingccctt	cccccggtnc	tttcttgacc	ttgaaagggg	ccccnccctt	360
gtcttttcta	anaaaaanga	agaantnncc	ttccnt			396

<210> 173

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 173

aagcatgtgg	atatgttttag	ctacgttttac	tcacagccag	cgaactgaca	ttaaaataac	60
taacaaacag	attcttttat	gtgatgctgg	aactcttgac	agctataatt	attattcaga	120
aatgactttt	tgaaagtaaa	agcagcataa	agaatttgct	acaggaaggc	tgtctcagat	180
aaattatggt	aaaattttgc	aggggacann	ctttttaaga	cttgacacat	tnccggatcc	240
tgcnctgact	ttggaaaagg	catatatgtn	ctagnggcat	gganaatgcc	ccatactcat	300
gcatgcaaat	taaacaacca	agtttgaatc	tttttggggg	ngngctatnc	tttaaccnng	360
tacnggcntt	attatntaan	gnccctgnnn	cntgtg			396

<210> 174

<211> 924

<212> DNA

<213> Homo sapiens

<400> 174

cctgacgacc	cggcgacggc	gacgtctctt	ttgactaaaa	gacagtgtcc	agtgtccag	60
cctaggagtc	tacggggacc	gcctcccgcg	ccgccaccat	gcccacttc	tctggcaact	120
ggaaaatcat	ccgatcgga	aacttcgagg	aattgctcaa	agtgtgggg	gtgaatgtga	180
tgctgaggaa	gattgctgtg	gctgcagcgt	ccaagccagc	agtggagatc	aaacaggagg	240
gagacacttt	ctacatcaaa	acctccacca	ccgtgcgcac	cacagagatt	aacttcaagg	300
ttggggaggga	gtttgaggag	cagactgtgg	atgggaggcc	ctgtaagagc	ctggtgaaat	360
gggagagtga	gaataaaatg	gtctgtgagc	agaagctcct	gaaggagag	ggccccaaga	420
cctcgtggac	cagagaactg	accaacgatg	gggaactgat	cctgaccatg	acggcggatg	480
acgttggtgtg	caccagggtc	tacgtccgag	agtgagtggc	cacaggtaga	accgcggccg	540
aagcccaacca	ctggccatgc	tcaccgcctt	gcttcaactgc	cccctccgtc	ccacccccctc	600
cttctaggat	agcgtctccc	ttaccaccag	cacttctggg	ggtcactggg	atgcctcttg	660
cagggtcttg	ctttctttga	cctcttctct	cctcccctac	accaacaaag	aggaatggct	720
gcaagagccc	agatcaccca	ttccgggttc	actccccgcc	tccccaaagc	agcagtccta	780
gccccaaacc	agcccagagc	agggtctctc	ttaaaggggac	ttgagggcct	gagcaggaaa	840
gactggccct	ctagcttcta	ccctttgtcc	ctgtagccta	tacagtttag	aatatttatt	900
tgtaattttt	attaaaatgc	ttaa				924

<210> 175

<211> 3321

<212> DNA

<213> Homo sapiens

<400> 175

atgaagattt tgataacttgg tatttttctg tttttatgta gtaccccgagc ctgggcgaaa 60
 gaaaagcatt attacattgg aattattgaa acgacttggg attatgcctc tgaccatggg 120
 gaaaagaaac ttattttctgt tgacacggaa cattccaata tctatcttca aatggccca 180
 gatagaattg ggagactata taagaaggcc ctttatcttc agtacacaga tgaaaccttt 240
 aggacaacta tagaaaaacc ggtctggctt gggtttttag gccctattat caaagctgaa 300
 actggagata aagtttatgt aactttaaaa aaccttgccct ctaggcccta cacctttcat 360
 tcacatggaa taacttacta taaggaacat gagggggcca tctaccctga taacaccaca 420
 gattttcaaa gagcagatga caaagtatat ccaggagagc agtatacata catgttgctt 480
 gccactgaag aacaaagtcc tggggaagga gatggcaatt gtgtgactag gatttaccat 540
 tcccacattg atgctccaaa agatattgcc tcaggactca tcggaccttt aataatctgt 600
 aaaaaagatt ctctagataa agaaaaagaa aaacatattg accgagaatt tgtgggtgatg 660
 ttttctgtgg tggatgaaaa tttcagctgg tacctagaag acaacattaa aacctactgc 720
 tcagaaccag agaaagtga caaagacaac gaagacttcc aggagagtaa cagaatgtat 780
 tctgtgaatg gatacacttt tgggaagtctc ccaggactct ccatgtgtgc tgaagacaga 840
 gtaaaatggg accttttttg tatgggtaat gaagttgatg tgcacgcagc tttctttcac 900
 gggcaagcac tgactaacia gaactaccgt attgacacaa tcaacctctt tctgtctacc 960
 ctgtttgatg cttatatggt ggcccagaac cctggagaat ggatgctcag ctgtcagaat 1020
 ctaaacctac tgaaagccgg tttgcaagcc tttttccagg tccaggagtg taacaagtct 1080
 tcatcaaagg ataatatccg tgggaagcat gtttagacact actacattgc cgctgaggaa 1140
 atcatctgga actatgctcc ctctggtata gacatcttca ctaaagaaaa cttaacagca 1200
 cctggaagtg actcagcggg gttttttgaa caaggtacca caagaattgg aggctcttat 1260
 aaaaagctgg tttatcgtga gtacacagat gcctccttca caaatcgaaa ggagagaggc 1320
 cctgaagaag agcatcttgg catcctgggt cctgtcattt gggcagaggt gggagacacc 1380
 atcagagtaa ccttccataa caaaggagca tatccctcca gtattgagcc gattggggtg 1440
 agattcaata agaacaacga gggcacatac tattcccaa attacaacct ccagagcaga 1500
 agtgtgcctc cttcagcctc ccatgtggca cccacagaaa cattcaccta tgaatggact 1560
 gtcccaaaag aagtaggacc cactaatgca gatcctgtgt gtctagctaa gatgtattat 1620
 tctgctgtgg atcccactaa agatatattc actgggctta ttgggccaat gaaaatatgc 1680
 aagaaaggaa gtttacatgc aaatgggaga cagaaagatg tagacaagga attctatttg 1740
 tttcctacag tatttgatga gaatgagagt ttactcctgg aagataatat tagaatgttt 1800
 acaactgcac ctgatcaggt ggataaggaa gatgaagact ttcaggaatc taataaaatg 1860
 cactccatga atggattcat gtatgggaat cagccgggtc tcaactatgtg caaaggagat 1920
 tgggtcgtgt ggtacttatt cagcgccgga aatgaggccg atgtacatgg aatatacttt 1980
 tcaggaaaca catatctgtg gagaggagaa cggagagaca cagcaaacct cttccctcaa 2040
 acaagtctta cgtccacat gtggcctgac acagagggga cttttaatgt tgaatgcctt 2100
 acaactgatc attacacagg cggcatgaag caaaaatata ctgtgaacca atgcaggcgg 2160
 cagtctgagg atttccacct ctacctggga gagaggacat actatatcgc agcagtgag 2220
 gtggaatggg attattcccc acaaagggag tgggaaaagg agctgcatca tttacaagag 2280
 cagaatgttt caaatgcatt tttagataag ggagagtgtt acataggctc aaagtacaag 2340
 aaagtttgt atcggcagta tactgatagc acattccgtg ttccagtggg gagaaaagct 2400
 gaagaagaac atctgggaat tctaggtcca caacttcatg cagatgttgg agacaaagtc 2460
 aaaattatct ttaaaaacat ggccacaagg cctactcaa tacatgccc tggggtacaa 2520
 acagagagtt ctacagttac tccaacatta ccaggtgaaa ctctcactta cgtatggaaa 2580
 atcccagaaa gatctggagc tggacacagag gattctgctt gtattccatg ggcttattat 2640
 tcaactgtgg atcaagttaa ggacctctac agtggattaa ttggccccct gattgtttgt 2700
 cgaagacctt acttgaaagt attcaatccc agaaggaagc tgggaatttgc ctttctgttt 2760
 ctagtttttg atgagaatga atcttgggtac ttagatgaca acatcaaaac atactctgat 2820
 caccocgaga aagtaaacaa agatgatgag gaattcatag aaagcaataa aatgcatgct 2880
 attaattggaa gaatgttttg aaacctacaa ggccctcaaa tgcacgtggg agatgaagtc 2940
 aactggatc tgatgggaat gggcaatgaa atagacttac acactgtaca ttttcacggc 3000
 catagcttcc aatacaagca cagggaggtt tatagttctg atgtctttga cattttccct 3060
 ggaacatacc aaaccctaga aatgtttcca agaacacctg gaatttggtt actccactgc 3120
 catgtgaccg accacattca tgctggaatg gaaaccactt acaccgttct acaaaatgaa 3180
 gacaccaa atctggctgaat gaaataaatt ggtgataagt ggaaaaaaga gaaaaaccaa 3240
 tgattcataa caatgtatgt gaaagtgtaa aatagaatgt tactttggaa tgactataaa 3300

3321

<211> 487

<212> DNA

<213> Homo sapiens

<400> 176

gaaatacttt	ctgtcttatt	aaaattaata	aattattggt	ctttacaaga	cttggataca	60
ttacagcaga	catggaaata	taattttaaa	aaatttctct	ccaacctcct	tcaaattcag	120
tcaccactgt	tatattacct	tctccaggaa	ccctccagt	gggaaggctg	cgatattaga	180
tttccttgta	tgcaaagttt	ttgttgaaag	ctgtgctcag	aggaggtgag	aggagaggaa	240
ggagaaaact	gcatcataac	tttacagaat	tgaatctaga	gtcttccccg	aaaagcccag	300
aaacttctct	gcagtatctg	gcttgtccat	ctggctctaa	gtggctgctt	cttccccagc	360
catgagtcag	tttgtgccca	tgaataatac	acgacctgtt	atttccatga	ctgctttact	420
gtatttttaa	ggtcaatata	ctgtacattt	gataataaaa	taatattctc	ccaaaaaaaa	480
aaaaaaa						487

<210> 177

<211> 3999

<212> DNA

<213> Homo sapiens

<400> 177

caagattcca	catttgatgg	ggtgactgac	aaacccatct	tagactgctg	tgcctgcgga	60
actgccaaagt	acagactcac	attttatggg	aattggctcg	agaagacaca	cccaaaggat	120
taccctcgtc	gggccaacca	ctgggtctgcg	atcatcggag	gatccactc	caagaattat	180
gtactgtggg	aatatggagg	atatgccagc	gaaggcgtca	aacaagttgc	agaattgggc	240
taccccgta	aaatggagga	agaaattcga	caacagagt	atgaggtcct	caccgtcatc	300
aaagccaaaag	cccaatggcc	agcctggcag	cctctcaacg	tgagagcagc	accttcagct	360
gaattttccg	tggacagaac	gcgccattta	atgtccttcc	tgaccatgat	gggccctagt	420
cccgactgga	acgtaggett	atctgcagaa	gatctgtgca	ccaaggaatg	tggctgggtc	480
cagaaggtgg	tgcagaacct	gattccctgg	gacgctggca	ccgacagcgg	ggtgacctat	540
gagtcaccca	acaaaccac	cattccccag	gagaaaatcc	ggccctgac	cagcctggac	600
catcctcaga	gtcctttcta	tgacccagag	ggtgggtcca	tcactcaagt	agccagagtt	660
gtcatcgaga	gaatcgcacg	gaagggtgaa	caatgcaata	ttgtacctga	caatgtcgat	720
gatattgtag	ctgacctggc	tccagaagag	aaagatgaag	atgacacccc	tgaacctgc	780
atctactcca	actggtcccc	atggtccgcc	tgcagctcct	ccacctgtga	caaaggcaag	840
aggatgcgac	agcgcatgct	gaaagcacag	ctggacctca	gcgtcccctg	ccctgacacc	900
caggacttcc	agccctgcat	gggccctggc	tgcagtgcag	aagacggctc	cacctgcacc	960
atgtccgagt	ggatcacctg	gtcgccctgc	agcatctcct	gcggcatggg	catgaggtec	1020
cgggagagggt	atgtgaagca	gttcccggag	gacggctccg	tgtgcacgct	gcccactgag	1080
gaaacggaga	agtgcacggt	caacgaggag	tgtctctcca	gcagctgcct	gatgaccgag	1140
tggggcgagt	gggacgagt	cagcgccacc	tgcggcatgg	gcataagaaa	gcggcaccgc	1200
atgatcaaga	tgaacccgc	àatgggtcc	atgtgcaaa	ccgagacatc	acaggcagag	1260
aagtgcata	tgccagagt	ccacaccatc	ccatgcttgc	tgtcccatatg	gtccgagtgg	1320
agtgactgca	gcgtgacctg	cgggaagggc	atgcgaaccc	gacagcggat	gctcaagtct	1380
ctggcagaac	ttggagactg	caatgaggat	ctggagcagg	tggagaagt	catgctccct	1440
gaatgcccc	ttgactgtga	gctcaccgag	tggtcccagt	ggtcggaatg	taacaagtca	1500
tgtgggaaag	gccacgtgat	tccaacccgg	atgatccaaa	tggagcctca	gtttggagggt	1560
gcaccctgcc	cagagactgt	gcagcgaaaa	aagtgcgcga	tccgaaaatg	ccttcgaaat	1620
ccatccatcc	aaaagctacg	ctggagggg	gcccagagaga	gccggcggag	tgagcagctg	1680
aaggaagagt	ctgaaggggga	gcagttccca	ggttgtagga	tgcgcccattg	gacggcctgg	1740
tcagaatgca	ccaaactgtg	caggagtggga	attcaggaaac	gttatcatgac	tgtaaagaag	1800
agattcaaaa	gctcccagtt	taccagctgc	aaagacaaga	aggagatcag	agcatgcaat	1860
gttcatcctt	gttagcaagg	gtacgagttc	cccagggtctg	cactctagat	tccagagtca	1920
ccaatggctg	gattattttg	ttgtttaaga	caattttaaat	tgtgtacgct	agttttcatt	1980

```

tttgcaagtgt ggttcgcccc gtagtcttgt ggatgccaga gacatccttt ctgaatactt 2040
cttgatgggt acaggctgag tggggcgccc tcacctccag ccagcctctt cctgcagagg 2100
agtagtgta gccacctgtg actaagctga aacatgtccc tctggagctt ccacctggcc 2160
aggaggagc gagactttga cctactccac atggagaggc aacctgtctt ggaagtgtct 2220
atgcctgagt cccagggtgc ggcaggtagg aaacattcac agatgaagac agcagattcc 2280
ccacattctc atctttggcc tgttcaatga aacctattgt tgcccatctc ttcttagtgg 2340
aacttttagt ctcttttcaa gtctcctcag tcatcaatag ttcttgggga aaaacagagc 2400
tggtagactt gaagaggagc attgatgttg ggtggctttt gttctttcac tgagaaattc 2460
ggaatacatt tgtctcacc ctagatattgg ttcttgatgc ccccccaaca aaaataaata 2520
aataaattat ggctgcttta tttaaatata aggtagctag tttttacacc tgagataaat 2580
aataagctta gtagtatttt ttcccttgct tttgggggtt cagaggagta tgtacaattc 2640
ttctgggaag ccagccttct gaactttttg gtactaaatc cttattggaa ccaagacaaa 2700
ggaagcaaaa ttggtctctt tagagaccaa tttgcctaaa ttttaaaatc ttctacaca 2760
catctagacg ttcaagtttg caaatcagtt tttagcaaga aaacattttt gctatacaaa 2820
cattttgcta agtctgccc aagccccccc aatgcattcc ttcaacaaaa tacaatctct 2880
gtactttaaa gttatttttag tcatgaaatt ttatatgcag agagaaaaag ttaccgagac 2940
agaaaaacaa tctaagggaa aggaatatta tgggattaag ctgagcaagc aattctggtg 3000
gaaagtcaaa cctgtcagtg ctccacacca gggctgtggt cctcccagac atgcatagga 3060
atggccacag gtttacctg ccttcccagc aattataagc acaccagatt caggagagact 3120
gaccaccaag ggatagtgt aaaggacatt ttctcagttg ggtccatcag cagtttttct 3180
tctgcatctt attgttgaaa actattgttt catttcttct ttataggcc ttattactgc 3240
ttaatccaaa tgtgtacct tggtagaca catacaatgc tctgaataca ctacgaattt 3300
gtattaaaca catcagaata ttccaaata caacatagta tagtctgaa tatgtacttt 3360
taacacaaga gagactattc aataaaaact cactgggtct ttcatgtctt taagctaagt 3420
aagtgttcag aaggttcttt tttatattgt cctccacctc catcattttc aataaaagat 3480
agggttttg ctcccttggt cttggaggga ccattattac atctctgaac tacctttgta 3540
tccaacatgt tttaaatcct taaatgaatt gctttctccc aaaaaaagca caatataaag 3600
aaacacaaga tttattattt tttctacttg ttttctctc tcaactctc agcccatgat aaagttcctt 3720
cacttttgca atgttgttct aagctatcta accctagtgt ctcagtgttg tatttggtcc 3780
aagctggtga ttctaatca aggacaagcc ggagacttaa aaccaggtta atggctaaga 3840
cagttgggta cattttaaaa tctgtatttt tttttgttt gcaatgggga atttataaga 3900
atgggtaaca tgactcttgt tggattgtta gtttaggtgt ttatagttct tttggctaac 3960
agcatcaagt ctctttctta ccaaagctctt acaaaaaatg 3999
aatcatcttt ggaaataaag attttttact

```

<210> 178

<211> 1069

<212> DNA

<213> Homo sapiens

<400> 178

```

aaaaaagatg aataaatgaa taagagagat gaataaacia atttacatta catgtgatag 60
ttatcatggt atggccttca tgacaagatg gatgagaata tcactgatag gatattagcc 120
ttctttcata tctttatatt gaaatatggg ctttacttca atttgaaggt ctttcatgaa 180
caataaaaga gagtagaagg actgtctgag aaggcaggag acatataaaa cagatgactg 240
aaagactgac tagctcctgg aaagggaac atttggaaca tcagagtaa gggcaaatgg 300
gcttctacca gcacaacaaa gagcctccag gtggcaacat ggaagcaggt tatcagagaa 360
aataaatgtg caaatctctt atttacaatg actcacttaa cccacacaa atgtttcact 420
gctgccttcc ccagttgtcg cttatgtact gttgttacct ttcatgtaca tgcctttgat 480
cctaaaattc tctacttttg gtgccttata agttctttgc aatctgcctg tggttatcag 540
cacttaagc acaattttga aggggaaaaa aatgataatc accttagtcc caaagaaata 600
atttgcataa ctgccttatt agtattaaaa acagacacac tgaatgaagt agcatgatac 660
gcatatatcc tactcagtat cattggcctt ttatcaaatg gggaaactat acttttgtat 720
tacatagttt tagaaatcga aagttagaga ctctttataa gtaatgtcaa ggaacagtaa 780
tttaaaaaa aagttctaac aaatatattg tttgttaat cacaatgcc tcaacttgta 840
tttgaataac taaataggac atgtcttct tggagctgtg ggcattagtt cagaagcact 900
acctgcatct taattttcaa aacttaagtt ttattagcaa atcctcttct ctgtaagact 960

```

tagctatgaa gtggtatatt ttttccaaat atttttctga aaacatttgt tgttgtaact 1020
gcacaataaa agtccagttg caattaaaaa aaaaaaaaaa aaaaaaaaaa 1069

<210> 179

<211> 1817

<212> DNA

<213> Homo sapiens

<400> 179

tgctattctg	ccaaaagaca	atttctagag	tagttttgaa	tgggttgatt	tccccactc	60
ccacaaactc	tgaagccagt	gtctagctta	ctaaaaaaag	agttgtatat	aatattttaag	120
atgctgagta	tttcatagga	aagctgaatg	ctgctgtaaa	gtgctcttta	agtcctttttt	180
ttttttaatc	cccttcta	gaatgaaact	aggggaattt	caggggacag	agatgggatt	240
tgttgatga	taaactgtat	gtagttttta	gtctttctgt	tttgagaagc	agtggttggg	300
gcatttttaa	gatggctggc	tactcttgtt	ttccctcatg	ataataaatt	tgtcataact	360
cagtaacatg	aacttgcccc	tagaggtagt	tgtaataat	tttgaaatat	taaggctctg	420
ccaagcttct	gatgattcac	acctgtacta	ctgattatta	agcaggacag	actgagcttt	480
ctgttgcaaa	taccttggag	gagaaagtaa	tttctaaata	tacagagagg	taacttgact	540
atatatgttg	catcctgtgc	ctcccttcat	attaatat	gataaagatt	ttaatttatg	600
taaaacttct	aaagcagaat	caaagctcct	cttggggaaa	tggcaagtct	ttaggatagg	660
caagaccctg	tatgaatagt	accaaagcat	taccgcatgg	tagagaacac	actcgattaa	720
aaatgttaag	ctatctgaaa	aataaaatgt	gcaagtcttc	aggatggcac	aaaacaaagg	780
ttaatgcttc	ttggggcaca	tttcttagag	ggcttgctga	gtgtgtaaat	ataatcgact	840
tttgtttgtg	ttacatgact	tctgtgactt	cattgaaaat	ctgcacaatt	cagtttcagc	900
tctggattac	ttcagttgac	ctttgtgaag	gtttttatct	gtgtagaatg	ggtgtttgac	960
ttgttttagc	ctattaaatt	tttattttct	ttcactctgt	attaaaagta	aaacttacta	1020
aaagaaaaga	ggtttgtgtt	cacattaaat	ggttttgggt	tggcttcttt	tagtcaggct	1080
ttctgaacat	tgagatatcc	tgaacttaga	gctcttcaat	cctaagattt	tcatgaaaag	1140
cctctcactt	gaacccaaac	cagagtactc	ttactgcctc	ttttctaaat	gttcaggaaa	1200
agcattgcc	gttcagtcct	ttcaaaatga	gggagaaaca	tttgctgcc	ttgtaataac	1260
aagactcagt	gcttattttt	taaactgcat	tttaaaaatt	ggatagtata	ataacaataa	1320
ggagtaagcc	accttttata	ggcaccctgt	agttttatag	ttottaatct	aaacatttta	1380
tatttccttc	ttttggaaaa	aacctacatg	ctacaagcca	ccatatgcac	agactataca	1440
gtgagttgag	ttggctctcc	cacagtcctt	gaggtgaatt	acaaaagtcc	agccattatc	1500
atcctcctga	gttatttgaa	atgatttttt	ttgtacattt	tggctgcagt	attggtggtg	1560
gaatatacta	taatatggat	catctctact	tctgtattta	tttattttatt	actagacctc	1620
aaccacagtc	ttctttttcc	ccttccacct	ctctttgcct	gtaggatgta	ctgtatgtag	1680
tcatgcactt	tgtattaata	tattagaaat	ctacagatct	gttttgtact	ttttatactg	1740
ttggatactt	ataatcaaaa	cttttactag	ggtattgaat	aaatctagtc	ttactagaaa	1800
aaaaaaaaaa	aaaaaaa					1817

<210> 180

<211> 2382

<212> DNA

<213> Homo sapiens

<400> 180

acttttattg	gaagcagcag	ccacatccct	gcatgatttg	cattgcaata	caaccataac	60
cgggcagcca	ctcctgagtg	ataaccagta	taacataaac	gtagcagcct	caattttttgc	120
ctttatgacg	acagcttggt	atggttgacg	tttgggtctg	gctttacgaa	gatggcgacc	180
gtaacactcc	ttagaaactg	gcagtcgtat	gttagtttca	cttgtctact	ttatatgtct	240
gatcaatttg	gataccattt	tgtccagatg	caaaaacatt	ccaaaagtaa	tgtgttttagt	300
agagagagac	tctaagctca	agttctgggt	tatttcatgg	atggaatgtt	aattttatta	360
tgatattaaa	gaaatggcct	tttattttac	atctctcccc	tttttccctt	tcccccttta	420
ttttcctcct	tttctttctg	aaagtttccct	tttatgtcca	taaaatacaa	atatattgtt	480
cataaaaaat	tagtatccct	tttgtttggg	tgtctgagtc	cctgaacctt	aattttaatt	540
ggtaattaca	gcccctaaaa	aaaacacatt	tcaaataggc	ttccactaa	actctatatt	600

ttagtgtaaa ccaggaattg gcacactttt tttagaatgg gccagatggg aaatatttat 660
 gcttcacggt ccatacagtc tctgtcacia ctattcagtt ctgctagtat agcgtgaaag 720
 cagctataca caatacagaa atgaatgagt gtgggttatgt tctaataaaa cttattttata 780
 aaaacaaggg gaggctgggt ttagcctgtg ggccatagtt tgtcaaccac tgggtgtaaaa 840
 ccttagttat atatgatctg ctttttcttg aactgatcat tgaaaactta taaacctaac 900
 agaaaagcca cataatattt agtgtcatta tgcaataatc acattgcctt tgtgttaata 960
 gtcaaatact tacctttgga gaatacttac ctttgaggga atgtataaaa tttctcaggc 1020
 agagtccctg atataaggaaa aagtaattta tgaagtaaac ttcagttgct taatcaaact 1080
 aatgatagtc taacaactga gcaagatcct catctgagag tgcttaaaat gggatcccca 1140
 gagaccatta accaatactg gaactgggtat ctagctactg atgtcttact ttgagtttat 1200
 ttatgcttca gaatacagtt gtttgccctg tgcatgaata taccatattt tgtgtgtgga 1260
 tatgtgaagc ttttccaaat agagctctca gaagaattaa gtttttactt ctaattattt 1320
 tgcattactt tgagttaaat ttgaatagag tattaatat aaagttgtag attcttatgt 1380
 gtttttgtat tagcccagac atctgtaatg tttttgcaact ggtgacagac aaaatctggt 1440
 ttaaaatcat atccagcaca aaaactattt ctggctgaat agcacagaaa agtatttttaa 1500
 cctacctgta gagatccctg tcatggaaaag gtgccaaact gttttgaatg gaaggacaag 1560
 taagagtggg gccacagttc ccaccacacg agggcttttg tattgttcta ctttttcagc 1620
 cctttacttt ctggctgaag catccccctg gagtgccatg tataagttgg gctattagag 1680
 ttcattggaac atagaacaac catgaatgag tggcatgac cgtgcttaat gatcaagtgt 1740
 tacttatcta ataactctct agaaaagaacc ctgttagatc ttggtttgtg ataaaaatat 1800
 aaagacagaa gacatgagga aaaacaaaag gtttgaggaa atcaggcata tgactttata 1860
 cttaacatca gatcttttct ataatatcct actacttttg ttttcctagc tccataccac 1920
 acacctaacc ctgtattatg aattacatat tacaagtca taaatgtgcc atatggatat 1980
 acagtacatt ctagttggaa tcgtttactc tgctagaatt taggtgtgag attttttgg 2040
 tcccaggtat agcaggttta tgtttgggtg cattaaattg gtttctttta aatgctttgg 2100
 tggcactttt gtaaacagat tgcttctaga ttgttacaaa ccaagcctaa gacacatctg 2160
 tgaatactta gatttgtagc ttaatcacat tctagacttg tgagttgaat gacaaagcag 2220
 ttgaacaaaa attatggcat ttaagaattt aacatgtctt agctgtaaaa atgagaaagt 2280
 gttgggttgg tttaaaatct ggtaactcca tgatgaaaag aaattttatt tatacgtgtt 2340
 atgtctctaa taaagtattc atttgataaa aaaaaaaaaa aa 2382

<210> 181
 <211> 2377
 <212> DNA
 <213> Homo sapiens

<400> 181
 atctttatgc aagacaagag tcagccatca gacactgaaa tatattatga tagattatga 60
 agaattttct ctgtagaatt atattcttcc tggaaacctg tagagtagat tagactcaaa 120
 ggctttttct tctttttctt actcctgttt tttccactca ctcttcccaa gagatttctt 180
 aaagcttcaa gcttaataag cctaatagtg aaaaaataact gaatttaatg gtataatgaa 240
 gttcttcatt tccagacatc ttttaattgat cttaaagctc atttgagtct ttgcccctga 300
 acaaagacag acccattaaa atctaagaat tctaaatttt cacaactggt tgagcttctt 360
 ttcattttga aggatttgga atatatatgt tttcataaaa gtatcaagtg aaatatagtt 420
 acatgggagc tcaatcatgt gcagattgca ttctgttatg ttgactcaat atttaattta 480
 caactatcct tatttatatt gacctcaaga actccatttt atgcaatgca gacctgag 540
 atatagctaa cattctttca aataattttc cttttctttt ataattctc tatagcaaat 600
 ttttatgtat aactgattat acatatccat atttatattt cattgattcc aagacatcac 660
 tttttcaatt taacatctct gaaattgtga cttttcttgc aactgttggc acttcagatg 720
 cagtgtttaa aattatgctt gaataaataat tacactaatc caactttacc taaatgttta 780
 tgcactagag caaattttgt tttcttataa agatttgaga gccattttat gacaaaaatat 840
 gaaggcgaaa ttttaaggaca actgagtcac gcacaactca acatggagcc taactgatta 900
 tcagctcaga tcccgcataat cttgagttta caaaagctct ttcagggtccc catttatact 960
 ttacgtgagt gcgaatgatt tcagcaaacc ctaacttaac taacaagaat gggtaggtat 1020
 gtctacgttt catttaacaaa tttttattat ttttattcta ttatatgaga tctttttata 1080
 ttatcatctc actttttaaac aaaatttaact ggaaaaatat tacatggaac tgtcatagtt 1140
 aggttttgca gcactttaca tgtcttgtat caatggcagg agaaaaatat gataaaaaaca 1200

atcagtgcgt tgaaaaacaa ctttcttcta gagtctctctt acttttttatt cttcttttatt 1260
 atttgtgggt ttttccccct tggctctcac ttttaacttca agcttatgta acgactgtta 1320
 taaaactgca tatttaaatt atttgaatta tatgaaataa ttgttcagct atctgggcag 1380
 ctgttaatgt aaacctgaga gtaataacac tactctttta tctacctgga atacttttct 1440
 gcataaaatt tatctttgta agctaactct attaatcagg tttcttctag cctctgcaac 1500
 ctacttcagt tagaattgtc taatactgct ctattaatca ggtttctacc ctctacaacc 1560
 tacttcagtt aaaattgtct aatacagcaa tatttaaaaa aaaaacactg caattgtcaa 1620
 ggatggaaaa tgtgtgattt gtgtaaacaa tttttaccaa ctttacattt tcctacagat 1680
 aaatgtgaaa ttttgataag aagtctacgc aatgacaagt acggtacata aattttatta 1740
 agaattattga gtataaagta ctttaattct aaattataag aaaatataca tttgcacata 1800
 ttaatataga aattcatttt gtgtatattt aacatagctt ttaaaactatt ttacattagc 1860
 tacttcatta tggtttcttg aacttctgaa aaaaattaga aatgtattaa acttatcagt 1920
 aacataaaaa cttattttgt ttcacctaac gaactactgc tttgtaaaaa taaatttaatt 1980
 atagaatata tttttaaatt aaatatttga atataaaata gctctaagaa agaagcaaat 2040
 tatcactgaa catatttctt attatttctg gctttgaatt atacgtaact taaattgtct 2100
 taaatgatac agaattattg agaatatgat actttcacat aatatactat gaacctgttc 2160
 atataactct gattgactac taacttctgt tttatgtatt tattaaagag ctgacactgt 2220
 agtttgtggt gagatgttta tttttctaac agagcttata acagtttagga caaggcattt 2280
 aattaatgca tcattctggt tagtagtagg tgtaaatcaa tatgaaattc tctgttttaa 2340
 aataaaaatg taaaaatcta aaaaaaaaaa aaaaaaa 2377

<210> 182
 <211> 1370
 <212> DNA
 <213> Homo sapiens

<400> 182
 tgtgagcatg gtattttgtc tcggaagaaa aaaatatggg tcaggcgcaa agtaagccca 60
 cccactggg aactatgtta aaaaaaaatt tcaagattta agggagatta cgggtgttact 120
 atgacaccag aaaaacttag aactttgtgt gaaatagact ggctaacatt agagggtgggt 180
 tggctatcag aagaaagcct ggagaggtcc cttgtttcaa aggtatggca caaggtaacc 240
 tgtaagccaa agcaccggga ccagtttcta tacatagaca gttacagctg gtttagaccc 300
 cttccccctc tccccacagt agttaagaga acagcagcat aagcagctgg cagaggcaag 360
 gaaagaccag cagagagaaa aaaaggccat ctataccaat ttttaagttaa ttttagactga 420
 acaagggtctt attaatagca aaggataatt gaaatcacia acttataagg gtttcaacaa 480
 aagtgaagtt tgctaaaagt taacagtgtg acatgtatta tggtaacttc taatcttgtg 540
 gccttagaca gtctagtcaa aacacataaa gaaagtttgc tttaaaaaaa caatgggtat 600
 cttcaaaaat aaaggggaga ggcagaattt atataaaaag agttatatga taaattcttg 660
 tcttgaaata aattaactgg ttgtttaaag aaaagaatgt ttgtaataag tcaaaaagt 720
 aaaacatgtt taaaaaattg tctgcaaaag tcataaaaga aaaaatttta ttaaaaaaat 780
 ttttaagcaa aaatgttgta taatttaaaa gtaataaggc ctctgtgtga ctattaagac 840
 agatgcaaat tcctggttga aatggatcaa atattccatc tgcacattaa acaaaagcaa 900
 ttgttatgct tgtgcacatg gcaggccaga ggccctgatt gtcccccttc cactaagggtg 960
 gtctctagt cgaccaggcg tggactgcat ggtagctctt ttccaggatt ctacagcctg 1020
 gagtaataag tcatgccaag ctctctctgc tatatcccaa agtctctgcg ggtcagcccc 1080
 caagggccat gcagcttctg tctcccaaca ctaagttcac ttctgtcttc tcacggcaga 1140
 gaggaactt agtattcctt ggagacctga agggatgcag tgagcttaag aattttcaag 1200
 agcttatcaa tcagtcagcc cttgttcac cccgagtga tgtgtggtg tattgtggtg 1260
 gacctttact gggcactctg ccaataaact agtgtggcac ttgtgcttta gtccatttgg 1320
 ctatcccttt caccctggca tttcatcaac caaaaaaaaa aaaaaaaaaa 1370

<210> 183
 <211> 2060
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(2060)

<223> n=A,T,C or G

<400> 183

```

gtttcagggg aggagacaag gtttcttgtt tgccgtatat gtcctgcag agaagaggaa 60
gtgaccgtgg aggccatctg gccctgtgtt ttgatatggc aaaattaatg aatgcaatca 120
gaagaccttt gagcaagaaa gtaccctgga acaacccaat ttggactgca agtattagtt 180
gggtcttcca ggtgcctctc acagcagcag tcatggcagc agtgactcta gccatgtcca 240
tgaccaactg ctgcataaca aatagccccg agactcagca gcttacaaca ggggtccccag 300
cccacagact ggcaactggc catggcttgt taggaacctg actgcgagc agaaggtgag 360
tgagcattac tgccctgagct ctgccctctg tcagatcatc aggggcatta gattctcata 420
ggagcgtgaa ccctattgca aaccgcgcag gcgaaggatg tacgttgctg gctccttatg 480
agaatctaac taatgcctga tgatttgagg tggggcagtt tcatcccca accatctctc 540
tcccttcatg tccatggaaa aattgtcttc taaaaacca gtccgtggtg ccaaaaagggt 600
tggagactgc tgggtttacaa ccgcaatgaa cattcatcat cccacacagt gtcagagggt 660
cgggaacacg ggtgccttgc ctgtgtgctt ccggttccag atttctcagt ggggttgtgat 720
caaggtatca gcggaggccg tattcatctg caagcttgac caggaataga agagccactt 780
catgggtggc tcaactcagat gccagcaggt cagtgtcgtt ggctggcagg cagcctcagc 840
tcctcaacct atggatctct cctgagcaca gtttctctgt ccttacaacc tggtagctgg 900
cttctccaga gcaggtgact caggagagga caaggtgaga gccagcacc ttatggtcta 960
gtctcagaag tcacacgcca tcatttctgc aatgtcattt tgggggtcca ggtcagctgt 1020
atcactgtgg gaggtgagta tatagatgtc ctgaccatt caggctgcta tgacagaaca 1080
ccatgaactg agtggctcat gaacaacaga aatttcccac agttctgtag gctgggaaat 1140
ccaagatcaa ggtggcagca ggttcagcgt ctgctaagct cctgcttttc atggattgca 1200
tcttctcact gtgtcctcac gtgatggaca gagcaaatga gctctcaggc actagtcca 1260
gccatgagga ctctgcttcc atgactcatc actccgcaaa ggcccacctc catcagaaga 1320
cagctgctaa ctgcagctgc catcctccaa gacgggagac acagaatttg gggacatata 1380
cattgagatc tgaaaggcct ggacagcaac aggtggggat cgtgggggca tcttgagggt 1440
tgggtgccgc agtaacattt ctgacccatg ctttctgctt gcaactcatc cctgcctttg 1500
atcttcatta tctcargcag tccccacaac gactgtatct aggagttcat ttaccctca 1560
ttttacagat gaaacgtctc agagggtaat gtgcttgccc agtgtctcac aaatgcaaag 1620
tcaactgaggt aggatttcaa cctaggtcca atcatctctg cagcattagg ggttcaccat 1680
tgccatagac ttaactgtgt ccccaaaaat ttgtatgttg aagccctacc agcctcccc 1740
ccccaatgtg ctgatgtttg gagaaagggc ctttgggagg taattagggt tagatgagat 1800
catgagggtg ggactctcat aatggcatta atgccatcag gtgaagagat accagagacc 1860
ttgtgtcctc tctctctgca atgtgaggac acagtgagaa ggcagctgtc tgcaagctgg 1920
gaagagagta ctgaccagga acttaatcag agggcatctt gatcttgac ttcccagcct 1980
ccagaactct gaaaagttaa tgnctattat ttaagccacg cagtctatgg aattttgtta 2040
gagccaaccc caagcttact

```

<210> 184

<211> 3079

<212> DNA

<213> Homo sapiens

<400> 184

```

ggcacaaagt tggggggccgc gaagatgagg ctgtccccgg cggccctgaa gotgagccgg 60
actccggcac tgctggccct ggcgctgcc ctggccggcg cgctggcctt ctccgacgag 120
accctggaca aagtgcccaa gtcagagggc tactgtagcc gtatcctgcg cggccagggc 180
acgcggcgcg agggctacac cgagttcagc ctccgcgtgg agggcgaccc cgacttctac 240
aagccgggaa ccagctaccg cgtaacatt tcagctgctc ctccctccta cttcagagga 300
ttcacattaa ttgccctcag agagaacaga gaggtgata aggaagaaga ccatgctggg 360
accttccaga tcatagacga agaagaaact cagtttatga gcaattgccc tgttgagtc 420

```

actgaaagca ctccacggag gaggaccgag atccagggtg tttggatagc accaccagcg 480
 ggaacaggct gcgtgattct gaaggccagc atcgtacaaa aacgcattat ttattttcaa 540
 gatgagggct ctctgaccaa gaaactttgt gaacaagatt ccacatttga tggggtgact 600
 gacaaaccca tcttagactg ctgtgcctgc ggaactgcca agtacagact cacattttat 660
 gggaattggt ccgagaagac acacccaaag gattaccctc gtcgggccaa ccactggtct 720
 gcgatcatcg gaggatccca ctccaagaat tatgtactgt gggaatatgg aggatatgcc 780
 agcgaaggcg tcaaacaagt tgcagaattg ggctcaccgg tgaaaatgga ggaagaaatt 840
 cgacaacaga gtgatgaggt cctcaccgtc atcaaagcca aagcccaatg gccagcctgg 900
 cagcctctca acgtgagagc agcaccttca gctgaatttt ccgtggacag aacgcgccat 960
 ttaatgtcct tcctgaccat gatgggccct agtcccgact ggaacgtagg cttatctgca 1020
 gaagatctgt gcaccaagga atgtggctgg gtccagaagg tgggtgaaga cctgattccc 1080
 tgggacgctg gcaccgacag cggggtgacc tatgagtcac ccaacaaacc caccattccc 1140
 caggagaaaa tccggccctt gaccagcctg gaccatcctc agagtccttt ctatgaccca 1200
 gagggtgggt ccatactca agtagccaga gttgtcatcg agagaatcgc acggaagggt 1260
 gaacaatgca atattgtacc tgacaatgtc gatgatattg tagctgacct ggctccagaa 1320
 gagaaagatg aagatgacac ccctgaaacc tgcactact ccaactggtc cccatgggtc 1380
 gcctgcagct cctccacctg tgacaaaggc aagaggatgc gacagcgcat gctgaaagca 1440
 cagctggacc tcagcgtccc ctgccctgac acccaggact tccagccctg catgggccct 1500
 ggctgcagtg acgaagacgg ctccacctgc accatgtccg agtggatcac ctgggtcgccc 1560
 tgcagcatct cctgcggcat gggcatgagg tcccgggaga ggtatgtgaa gcagttcccc 1620
 gaggacggct ccgtgtgcac gctgccact gaggaatgg agaagtgcac ggtcaacgag 1680
 gagtgtcttc ccagcagctg cctgatgacc gagtggggcg agtgggacga gtgcagcgcc 1740
 acctgcggca tgggcatgaa gaagcggcac cgcgatgatca agatgaacct cgcagatggc 1800
 tccatgtgca aagccgagac atcacaggca gagaagtgca tgatgccaga gtgccacacc 1860
 atcccatgct tgetgtcccc atggtccgag tggagtact gcagcgtgac ctgcccgaag 1920
 ggcagcgaa cccgacagcg gatgtcaag tctctggcag aacttggaga ctgcaatgag 1980
 gatctggagc aggtggagaa gtgcatgtc cctgaatgcc ccattgactg tgagctcacc 2040
 gagtgggtccc agtggtcgga atgtaacaag tcatgtggga aaggccacgt gattcgaacc 2100
 cgcatgatcc aaatggagcc tcagtttgga ggtgcaccct gccagagac tgtgcagcga 2160
 aaaaagtgcc gcatccgaaa atgccttcga aatccatcca tccaaaagcc acgctggagg 2220
 gagggccgag agagccggcg gaggtagcag ctgaagggaag agtctgaagg ggagcagttc 2280
 ccaggttgta ggatgcgccc atggacggcc tggtcagaat gcaccaaact gtgcccagggt 2340
 ggaattcagg aacgttacat gactgtaaaag aagagattca aaagctccca gtttaccagc 2400
 tgcaaagaca agaaggagat cagagcatgc aatgttcata cttgttagca aggttacgag 2460
 ttcccagggt ctgcactcta gattccagag tcaccaatgg ctggattatt tgcttgttta 2520
 agacaattta aattgtgtac gctagttttc atttttgcag tgtggttcgc ccagtagtct 2580
 tgtggatgcc agagacatcc ttctgtgaata cttcttgatg ggtacaggct gaggggggcg 2640
 cctcacctc cagccagcct ctctctgcag aggagtagtg tcagccacct tgtactaagc 2700
 tgaacatgt ccctctggag ctccacctg gccagggagg acggagactt tgacctactc 2760
 cacatggaga ggcaaccatg tctggaagtg actatgcctg agtcccaggg tgcggcagggt 2820
 aggaaacatt cacagatgaa gacagcagat tccccacatt ctcatctttg gcctgttcaa 2880
 tgaaccatt gtttgcccat ctcttcttag tggaaactta ggtctctttt caagtctcct 2940
 cagtcacaa tagttcctgg ggaaaaacag agctggtaga cttgaagagg agcattgatg 3000
 ttgggtggct tttgttcttt cactgagaaa ttcggaatac atttgtctca cccctgatat 3060
 tggttcctga tgccccagc

<210> 185

<211> 3000

<212> DNA

<213> Homo sapiens

<400> 185

gtttcagggg aggagacaag gtttcttggt tgccgtatat gctcctgcag agaagaggaa 60
 gtgaccgtgg aggccatctg gccctgtgtt ttgatattggc aaaattaatg aatgcaatca 120
 gaagaccttt gagcaagaaa gtaccctgga acaacccaat ttggactgca agtattagtt 180
 ggggtcttcca ggtgcctctc acagcagcag tcatggcagc agtgactcta gccatgtcca 240
 tgaccaactg ctgcataaca aatagccccg agactcagca gcttacaaca ggggtccccag 300

```
<210> 186
<211> 807
<212> PRT
<213> Homo sapiens
```

Met Arg Leu Ser Pro Ala Pro Leu Lys Leu Ser Arg Thr Pro Ala Leu
5 10 15

Leu Ala Leu Ala Leu Pro Leu Ala Ala Ala Leu Ala Phe Ser Asp Glu
20 25 30

Thr Leu Asp Lys Val Pro Lys Ser Glu Gly Tyr Cys Ser Arg Ile Leu
 35 40 45
 Arg Ala Gln Gly Thr Arg Arg Glu Gly Tyr Thr Glu Phe Ser Leu Arg
 50 55 60
 Val Glu Gly Asp Pro Asp Phe Tyr Lys Pro Gly Thr Ser Tyr Arg Val
 65 70 75 80
 Thr Leu Ser Ala Ala Pro Pro Ser Tyr Phe Arg Gly Phe Thr Leu Ile
 85 90 95
 Ala Leu Arg Glu Asn Arg Glu Gly Asp Lys Glu Glu Asp His Ala Gly
 100 105 110
 Thr Phe Gln Ile Ile Asp Glu Glu Glu Thr Gln Phe Met Ser Asn Cys
 115 120 125
 Pro Val Ala Val Thr Glu Ser Thr Pro Arg Arg Arg Thr Arg Ile Gln
 130 135 140
 Val Phe Trp Ile Ala Pro Pro Ala Gly Thr Gly Cys Val Ile Leu Lys
 145 150 155 160
 Ala Ser Ile Val Gln Lys Arg Ile Ile Tyr Phe Gln Asp Glu Gly Ser
 165 170 175
 Leu Thr Lys Lys Leu Cys Glu Gln Asp Ser Thr Phe Asp Gly Val Thr
 180 185 190
 Asp Lys Pro Ile Leu Asp Cys Cys Ala Cys Gly Thr Ala Lys Tyr Arg
 195 200 205
 Leu Thr Phe Tyr Gly Asn Trp Ser Glu Lys Thr His Pro Lys Asp Tyr
 210 215 220
 Pro Arg Arg Ala Asn His Trp Ser Ala Ile Ile Gly Gly Ser His Ser
 225 230 235 240
 Lys Asn Tyr Val Leu Trp Glu Tyr Gly Gly Tyr Ala Ser Glu Gly Val
 245 250 255
 Lys Gln Val Ala Glu Leu Gly Ser Pro Val Lys Met Glu Glu Glu Ile
 260 265 270
 Arg Gln Gln Ser Asp Glu Val Leu Thr Val Ile Lys Ala Lys Ala Gln
 275 280 285
 Trp Pro Ala Trp Gln Pro Leu Asn Val Arg Ala Ala Pro Ser Ala Glu
 290 295 300
 Phe Ser Val Asp Arg Thr Arg His Leu Met Ser Phe Leu Thr Met Met
 305 310 315 320
 Gly Pro Ser Pro Asp Trp Asn Val Gly Leu Ser Ala Glu Asp Leu Cys
 325 330 335

Thr Lys Glu Cys Gly Trp Val Gln Lys Val Val Gln Asp Leu Ile Pro
 340 345 350
 Trp Asp Ala Gly Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys
 355 360 365
 Pro Thr Ile Pro Gln Glu Lys Ile Arg Pro Leu Thr Ser Leu Asp His
 370 375 380
 Pro Gln Ser Pro Phe Tyr Asp Pro Glu Gly Gly Ser Ile Thr Gln Val
 385 390 395 400
 Ala Arg Val Val Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn
 405 410 415
 Ile Val Pro Asp Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu
 420 425 430
 Glu Lys Asp Glu Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp
 435 440 445
 Ser Pro Trp Ser Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg
 450 455 460
 Met Arg Gln Arg Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys
 465 470 475 480
 Pro Asp Thr Gln Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp
 485 490 495
 Glu Asp Gly Ser Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro
 500 505 510
 Cys Ser Ile Ser Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val
 515 520 525
 Lys Gln Phe Pro Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu
 530 535 540
 Met Glu Lys Cys Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu
 545 550 555 560
 Met Thr Glu Trp Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met
 565 570 575
 Gly Met Lys Lys Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly
 580 585 590
 Ser Met Cys Lys Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro
 595 600 605
 Glu Cys His Thr Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser
 610 615 620
 Asp Cys Ser Val Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met
 625 630 635 640

Leu Lys Ser Leu Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln
 645 650 655
 Val Glu Lys Cys Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr
 660 665 670
 Glu Trp Ser Gln Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His
 675 680 685
 Val Ile Arg Thr Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala
 690 695 700
 Pro Cys Pro Glu Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys
 705 710 715 720
 Leu Arg Asn Pro Ser Ile Gln Lys Pro Arg Trp Arg Glu Ala Arg Glu
 725 730 735
 Ser Arg Arg Ser Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe
 740 745 750
 Pro Gly Cys Arg Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys
 755 760 765
 Leu Cys Gly Gly Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg
 770 775 780
 Phe Lys Ser Ser Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg
 785 790 795 800
 Ala Cys Asn Val His Pro Cys
 805

<210> 187

<211> 892

<212> DNA

<213> Homo sapiens

<400> 187

```

tttattgatg tttcaacagg cacttattca aataagttat atatttgaaa acagccatgg 60
taagcatcct tggcttctca cccattcctc atgtggcatg ctttctagac tttaaaatga 120
ggtaccctga atagcactaa gtgctctgta agctcaagga atctgtgcag tgctacaaag 180
cccacaggca gagaaagaac tcttcaagtg cttgtggtca gagactaggt tccatatgag 240
gcacacctat gatgaaggtc ttcacctcca gaaggtgaca ctgttcagag atcctcattt 300
cctggagagt gggagaaaaat ccttcctttg ggaaatccct tttcccagca gcagagccca 360
cctcattgct tagtgatcat ttggaaggca ctgagagcct tcaggggctg acagcagaga 420
aatgaaaatg agtacagttc agatgggtga agaagcatgg cagtgcacac ttccatgctc 480
tttttctcag tgtctgcaac tccaaagatc aaggccataa cccaggagac catcaacgga 540
agattagttc tttgtcaagt gaatgaaatc caaaagcacg catgagacca atgaaagtgt 600
ccgctgttg taaaatctat tttcccccac ggaaagtccct tgcacagaca ccagtgagt 660
agttctaaaa gatacccttg gaattatcag actcagaaac ttttattttt tttttctgta 720
acagtctcac cagacttctc ataatgctct taatatattg cacttttcta atcaaagtgc 780
gagtttatga gggtaaagct ctactttcct actgcagcct tcagattctc atcattttgc 840
atctattttg tagccaataa aactccgcac tagcaaaaaa aaaaaaaaaa aa 892

```

<210> 188

<211> 1448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1448)
 <223> n = A,T,C or G

<400> 188

```
tgtgactcac atttctttta ctgtgacaca ataatgtgat cctaaaactg gcttatacctt 60
gagtgtttac aactcaaaca actttttgaa tgcagtagtt tttttttttt aaaaacaaac 120
ttttatgtca aatttttttt cttagaagta gtcttcatta ttataaattt gtacaccaaa 180
aggccatggg gaactttgtg caagtacctc atcgctgagc aaatggagct tgctatgttt 240
taatttcaga aaatttcctc atatacgtag tgtgtagaat caagtctttt aataattcat 300
tttttcttca taatatttac tcaaagttaa gcttaaaaat aagttttata ttaaaatcat 360
atttgaagac agtaagacag taaactatth taggaagtca accccattg cactctgtgg 420
cagttattct ggtaaaaata ggcaaaagt acctgaatct acaatgggtg cccaaagtaa 480
ccaagtaaga gagattgtaa atgataaacc gagcttttaa ggataaagtg ttaataaaga 540
aaggaagctg ggcacatgtc aaaaaggag atcgaaatgt taggtaatca tttagaaagg 600
acagaaaata tttaaagtgg ctcataggta atgaatattt ctgacttaga tgtaaatcca 660
tctggaatct ttacatcctt tgccagctga aacaagaaag tgaagggaca atgatatttc 720
atggtcagtt tattttgtaa gagacagaag aaattatata tatacattac cttgtagcag 780
cagtacctgg aagccccagc ccgtcacaga agtgtggagg ggggctcctg actagacaat 840
ttccctagcc cttgtgattt gaagcatgaa agttctggca ggttatgagc agcactaggg 900
ataaagtatg gttttatttt ggtgtaattt aggtttttca acaaagccct tgtctaaaat 960
aaaaggcatt attgaaaata tttgaaaact agaaaatgat ggataaaaagg gctgataaga 1020
aaattttctga ctgtcagtag aagtgaagata agatcctcag aggaacagat aagaagggat 1080
aatcattaag atagtaaaac aggcaaaagca gaatcacatg tgcncacaca catacacatg 1140
taaacattgg aatgcataag ttttaatat ttagcgctat cagtttctaa atgcattaat 1200
tactaactgc cctctcccaa gattcattta gttcaaacag tatccgtaaa ctagggaataa 1260
tgccacatgc attcaatggg atcttttaag tactcttcag tttgttccaa gaaatgtgcc 1320
tactgaaatc aaattaattt gtattcaatg tgtacttcaa gactgctaata tgtttcatct 1380
gaaagcctac aatgaatcat tgttcamcct tgaaaaataa aattttgtaa atcaaaaaaa 1440
aaaaaaaaa 1448
```

<210> 189
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 189

```
ttttgggagc acggaactgtc agttctctgg gaagtgggtca gcgcatacctg cagggtttct 60
cctcctctgt cttttggaga accagggctc ttctcagggg ctctaggagc tgccaggctg 120
tttcagccag gaaggccaaa atcaagagtg agatgtagaa agttgtaaaa tagaaaaagt 180
ggagttgggt aatcggttgt tctttcctca catttggatg attgtcataa ggttttttagc 240
atgttcctcc ttttcttcac cctccccttt tttcttctat taatcaagag aaacttcaaa 300
gttaatggga tggtcggatc tcacaggctg agaactcgtt cacctccaag catttcatga 360
aaaagctgct tcttattaat catacaaact ctcaccatga tgtgaagagt ttcacaaatc 420
cttcaaaaata aaaagtaatg acttaaaaaa aaaaaaaaaa 460
```

<210> 190
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 190

```

agggtggtgga agaaactgtg gcacgaggtg actgaggtat ctgtgggagc taatcctgtc 60
caggtggaag taggagaatt tgatgatggt gcagaggaaa ccgaagagga ggtggtggcg 120
gaaaatccct gccagaacca ccactgcaaa cacggcaagg tgtgcgagct ggatgagaac 180
aacacccccca tgtgctgtgt ccaggacccc accagctgcc cagcccccat tggcgagttt 240
gagaaggtgt gcagcaatga caacaagacc ttgactctt cctgccactt ctttgccaca 300
aagtgcaccc tggagggcac caagaagggc cacaagctcc acctggacta catcgggcct 360
tgcaaataca tcccccttg cctggactct gagctgaccg aattccccct gcgcatgcgg 420
gactggctca agaacgtcct ggtcaccctg tatgagaggg atgaggacaa caaccttctg 480
a

```

481

```

<210> 191
<211> 489
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

```

```

<400> 191
atataaatta gactaagtgt tttcaaataa atctaaatct tcagcatgat gtgttgtgta 60
taattggagt agatattaat taagtccct gtataatgtt ttgtaatttt gcaaaacata 120
tcttgagttg tttaaacagt caaaatgttt gatattttat accagcttat gagctcaaag 180
tactacagca aagcctagcc tgcataatcat tcacccaaaa caaagtaata gcgcctcttt 240
tattattttg actgaatgtt ttatggaatt gaaagaaaca tacgttcttt tcaagacttc 300
ctcatgaatc tntcaattat aggaaaagtt attgtgataa aataggaaca gctgaaagat 360
tgattaatga actattgtta attcttccta ttttaatgaa tgacattgaa ctgaattttt 420
tgtctgttaa atgaacttga tagctaataa aaagncaact agccatcaaa aaaaaaaaaa 480
aaaaaaaaa

```

489

```

<210> 192
<211> 516
<212> DNA
<213> Homo sapiens

```

```

<400> 192
acttcaaagc cagctgaagg aaagaggaag tgctagagag agcccccttc agtgtgtcttc 60
tgacttttac ggacttggct tgttagaagg ctgaaagatg atggcaggaa tgaaaatcca 120
gcttgatgac atgctactcc tggctttcag ctcctggagt ctgtgctcag attcagaaga 180
ggaaatgaaa gcattagaag cagatttctt gaccaatatg catacatcaa agattagtaa 240
agcacatgtt ccctcttgga agatgactct gctaaatgtt tgcagtcttg taaataattt 300
gaacagccca gctgaggaaa caggagaagt tcatgaagag gagcttgttg caagaaggaa 360
cttcttactg ctttagatgg ctttagcttg gaagcaatgt tgacaatata ccagctccac 420
aaaatctgtc acagcagggc ttttcaacac tgggagttaa tccaggaaga tattcttgat 480
actggaaatg acaaaaatgg aaaggaagaa gtcata

```

516

```

<210> 193
<211> 1409
<212> DNA
<213> Homo sapiens

```

```

<400> 193
tgattctttt ccaaaaacttt tagccatagg gtcttttata gacagggata gtaaaatgaa 60
aattgagaaa tataagatga aaaggaatgg taaaaatata ttttaggggg cttttaattg 120
gtgatctgaa atcttgggag aagctgttct tttcaggcct gaggtgctct tgactgtcgc 180
ctgcgcactg tgtaccccg gcaacattct aagggtgtgc tttcgcttg gctaactcct 240

```

```

ttgacctcat tcttcatata gtagtctagg aaaaagttgc aggtaattha aactgtctag 300
tggtagatag taactgaatt tctatttcta tgagaaatga gaattattta tttgccatca 360
acacatttta tactttgcat ctccaaatth attgcggcga gacttgtcca ttgtgaaagt 420
tagagaacat tatgtttgta tcattttcttt cataaaacct caagagcatt ttttagccct 480
tttcatcaga cccagtgaat actaaggata gatgtttttt aactggaggt ctctgataa 540
ggagaacaca atccaccatt gtcattttaag taataagaca ggaaattgac cttgacgctt 600
tcttggttaa tagatttaac aggaacatct gcacatcttt tttccttggt cactatttgt 660
ttaattgcag tggattaata cagcaagagt gccacattat aactaggcaa ttatccattc 720
ttcaagactt agttattgtc acactaattg atcgtttaag gcataagatg gtctagcatt 780
aggaacatgt gaagctaata tgctcaaaaa gatcaacaaa ttaatatgtt tgctgatatt 840
tgcataattg gctgcaatta tttaatgttt aattgggttg atcaaagag attcagcaat 900
tcacaagtgc attaatataa acagaactgg ggcacttaaa atgataatga ttaacttata 960
ttgcatgttc tcttcctttc acttttttca attttaaaat ttcagaccga gtttgtcagc 1020
ttttttgaaa acacatcagt agaaaccaag attttaaaat gaagtgtcaa gacgaaggca 1080
aaacctgagc agttcctaaa aagatttgcg gttagaaatt ttctttgtgg cagtcattta 1140
ttaaggattc aactcgtgat acaccaaaaag aagagttgac ttcagagatg tgttccatgc 1200
tctctagcac aggaatgaat aaattttata cacctgcttt agcctttgtt ttcaaaaagca 1260
caaaggaaaa gtgaaagggg aagagaaaca agtgactgag aagtcttgtt aaggaatcag 1320
gttttttcta cctggtaaac attctctatt cttttctcaa aagattgttg taagaaaaaa 1380
tgaagmcaa aaaaaaaaaa aaaaaaaaaa 1409

```

<210> 194
 <211> 441
 <212> DNA
 <213> Homo sapiens

```

<400> 194
cagatttcgg tagccatctc cctccaaata tgtctctttc tgctttctta gtgcccatta 60
tttccccttc tcctttcttc tgtcactgcc atctccttct tgggtcttcc attgttcttt 120
aactggccgt aatgtggaat tgatatttac attttgatac gggtttttttc ttggcctgtg 180
tacgggattg cctcatttcc tgctctgaat tttaaaatta gatattaaag ctgtcatatg 240
gtttcctcac aaaagtcaac aaagtccaaa caaaaatagt ttgccgtttt actttcatcc 300
attgaaaaag gaaattgtgc ctcttgtagc ctaggcaaag gacatttagt actatcgatt 360
ctttccaccc tcacgatgac ttgcggttct ctctgtagaa aagggatggc ctaagaaata 420
caactaaaaa aaaaaaaaaa a
441

```

<210> 195
 <211> 707
 <212> DNA
 <213> Homo sapiens

```

<400> 195
cagaaaaata tttggaaaaa atataccact tcatagctaa gtcttacaga gaagaggatt 60
tgctaataaa acttaagttt tgaaaattaa gatgcaggta gagcttctga actaatgccc 120
acagctccaa ggaagacatg tcctatttag ttattcaaat acaagttgag ggcattgtga 180
ttaagcaaac aatatatttg ttagaacttt gtttttaaat tactgttctt tgacattact 240
tataaagagt ctctaacttt cgatttctaa aactatgtaa taaaaagta tagtttcccc 300
atttgataaa aggccaatga tactgagtag gatatatgag tatcatgcta cttcattcag 360
tgtgtctgtt ttttaacta ataaggcagt ttgacagaaa ttatttcttt gggactaagg 420
tgattatcat ttttttcccc ttcaaaattg tgctttaagt gctgataacc acaggcagat 480
tgcaaagaac tgataaggca acaaaagtag agaattttag gatcaaaggc atgtaactga 540
aaggttaaca cagtacataa gcgacaactg ggggaaggcag cagtgaaca tgtttgtggg 600
gttaagttag tcattgtaaa taaggaaatt gcacatttat tttctgtcga cgcggccgcc 660
actgtgctgg atatctgcag aattccacca cactggacta gtggatc 707

```

<210> 196
 <211> 552

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

<400> 196
tggccagcca gcctgatgtg gatggcttcc ttgggggtggt gcttccctca agcccggaatt 60
ngtggacatc atcaatgcca aacaatgagc cccatccatt ttccctaccc ttccctgcca 120
gccaggant aagcagccca gaagcccagt aactgccctt tccctgcata tgcttttgat 180
ggtgtcatnt gctccttcct gtggcctcat ccaaactgta tnttccttta ctgtttatat 240
nttcacctg taatggttgg gaccaggcca atcccttntc cacttactat aatggttgg 300
actaaacgtc accaaggtgg ctnttccttg gctgaganat ggaaggcgtg gtgggatttg 360
ctnctgggtt ccctaggccc tagtgagggc agaagagaaa ccacccntc ccttnttaca 420
ccgtgaggcc aagatcccct cagaaggcag gagtgtgcc ctntcccatg gtgcccgtgc 480
ctntgtgctg tgtatgtgaa ccacccatgt gaggggaataa acctggcact agggaaaaaa 540
aaaaaaaaaa aa 552

<210> 197
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 197
ctccagagac aacttcgcgg tgtggtgaac tctctgagga aaaacacgtg cgtggnanca 60
agtgactgag acctanaaat ccaagcgttg gaggtcctga ggccagccta agtcgcttca 120
aaatggaacg aaggcgtttg cggggttcca ttcagagccg atacatcagc atgagtgtgt 180
ggacaagccc acggagactt gtggagctgg cagggcagag cctgctgaag gatgaggccc 240
tgccatttgc ccgccctgga gttgctgccc agggagctct tcccgccact cttcatggca 300
gcctttgacg ggagacacag ccagaccctg aaggcaatgg tgcaggcctg gcccttcacc 360
tgctccctc tgggagtgt gatgaaggga caacatcttc acctggagac cttcaaagct 420
gtgcttgatg gacttgatgt gctccttgc 449

<210> 198
<211> 606
<212> DNA
<213> Homo sapiens

<400> 198
tgagtttgcc cccttaccac catcccagtg aatatttgca attcctaaag acgtgttttg 60
attgtcacac ctgggtgggg aacatgctac tggcatctaa tgcatagagg gcagtaatgc 120
tgctaaacat ctttcaacgc acaggacaga gccccacaaa agagaattat ctagcccaaa 180
atgtccataa cactgctgtt gagaaaacct accgcaggat cttactgggc ttcataggta 240
agcttgccctt tgttctggct tctgtagata tataaaataa agacactgcc cagtccctcc 300
ctcaacgtcc cgagccaggg ctcaaggcaa ttccaataac agtagaatga aactaaata 360
ttgatttcaa aatctcagca actagaagaa tgaccaacca tctgggttgg cctgggactg 420
tcctagtttt agcattgaaa gtttcagggt ccaggaaagc cctcaggcct gggctgctgg 480
tcaccctagc agctgaggga ctcttcaata cagaattagt ctttgtgcac tggagatgaa 540
tatactttaa tttgtaacat gtgaaaacat ctataaacat ctactgaagc ctgttcttgg 600

ctgcac

606

<210> 199

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(369)

<223> n = A,T,C or G

<400> 199

```

ggcaactttt tgcggattgt tcttgccttc aggttttgcg ctgcaaattcc agtgctacca 60
gtgtgaagaa ttccagctga acaacgactg ctctccccc gagttcattg tgaattgcac 120
ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
ctgtcctcca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300
cgggccaaag cccaagaaaa ggggaagttc tgcctcgcc ctcangdcat ggctccgcac 360
caccatcct                                     369

```

<210> 200

<211> 55

<212> PRT

<213> Homo sapiens

<400> 200

```

Met Tyr Arg Asn Trp Ser Gly Cys Phe Gly Leu Gln Val Thr Leu Cys
          5                      10                      15
His Thr Phe Glu Thr Arg Asp Leu Ser Arg Leu Ser Ser Asp Ser Gln
          20                      25                      30
Pro Thr Ser Asn Val Ser Gln Ser Ile Ser His Lys Val Leu Ser Phe
          35                      40                      45
Ser Gly Val Ile Val Thr Pro
          50                      55

```

<210> 201

<211> 67

<212> PRT

<213> Homo sapiens

<400> 201

```

Met Gln Leu Leu Ser Pro Asn Thr Lys Phe Thr Ser Cys Leu Ser Arg
          5                      10                      15
Gln Arg Gly Asn Leu Val Phe Leu Gly Asp Leu Lys Gly Cys Ser Glu
          20                      25                      30
Leu Lys Asn Phe Gln Glu Leu Ile Asn Gln Ser Ala Leu Val His Pro
          35                      40                      45
Arg Val Asp Val Trp Trp Tyr Cys Gly Gly Pro Leu Leu Gly Thr Leu

```

50

55

60

Pro Asn Asn
65

<210> 202
<211> 73
<212> PRT
<213> Homo sapiens

<400> 202

Met Thr Pro Glu Lys Leu Arg Thr Leu Cys Glu Ile Asp Trp Leu Thr
5 10 15

Leu Glu Val Gly Trp Leu Ser Glu Glu Ser Leu Glu Arg Ser Leu Val
20 25 30

Ser Lys Val Trp His Lys Val Thr Cys Lys Pro Lys His Pro Asp Gln
35 40 45

Phe Leu Tyr Ile Asp Ser Tyr Ser Trp Phe Arg Pro Leu Pro Pro Leu
50 55 60

Pro Thr Val Val Lys Arg Thr Ala Ala
65 70

<210> 203
<211> 2008
<212> DNA
<213> Homo sapiens

<400> 203

ctccagagac	aacttcgchg	tgtggtgaac	tctctgagga	aaaacacgtg	cgtggttaaca	60
agtgaactgag	acctagaaat	ccaagcggtg	gaggtcctga	ggccagccta	agtcgcttca	120
aaatggaacg	aaggcggttg	cggggttcca	ttcagagccg	atacatcagc	atgagtgtgt	180
ggacaagccc	acggagactt	gtggagctgg	cagggcagag	cctgctgaag	gatgaggccc	240
tggccattgc	ccgccctgga	gttgctgccc	agggagctct	tcccgccact	cttcatggca	300
gcctttgacg	ggagacacag	ccagaccctg	aaggcaatgg	tgcaggcctg	gcccttcacc	360
tgcctccctc	tgggagtgtg	gatgaaggga	caacatcttc	acctggagac	cttcaaagct	420
gtgcttgatg	gacttgatgt	gctccttgcc	caggagggtc	gccccaggag	gtggaaactt	480
caagtgtctg	atttacggaa	gaactctcat	caggacttct	ggactgtatg	gtctggaaac	540
agggccagtc	tgtactcatt	tccagagcca	gaagcagctc	agcccatgac	aaagaagcga	600
aaagtagatg	gtttgagcac	agaggcagag	cagcccttca	ttccagtaga	ggtgctcgta	660
gacctgttcc	tcaaggaagg	tgcctgtgat	gaattgttct	cctacctcat	tgagaaagtg	720
aagcgaaaga	aaaatgtact	acgcctgtgc	tgtaagaagc	tgaagatttt	tgcaatgccc	780
atgcaggata	tcaagatgat	cctgaaaatg	gtgcagctgg	actctattga	agatttggaa	840
gtgacttgta	cctgggaagc	acccaccttg	gcgaaatttt	ctccttacct	gggccagatg	900
attaatctgc	gtagactcct	cctctcccac	atccatgcat	cttctacat	ttccccggag	960
aaggaagagc	agtatatcgc	ccagttcacc	tctcagttcc	tcagtctgca	gtgcctgcag	1020
gctctctatg	tggactcttt	atttttcctt	agaggccgcc	tggatcagtt	gctcaggcac	1080
gtgatgaacc	ccttggaaac	cctctcaata	actaactgcc	ggctttcgga	aggggatgtg	1140
atgcactctg	cccagagtcc	cagcgtcagt	cagctaagtg	tcctgagtct	aagtggggtc	1200
atgctgaccg	atgtaagtcc	cgagccccctc	caagctctgc	tggagagagc	ctctgccacc	1260
ctccaggacc	tggctcttga	tgagtgtggg	atcacggatg	atcagctcct	tgccctcctg	1320
ccttccctga	gccactgctc	ccagcttaca	accttaagct	tctacgggaa	ttccatctcc	1380

```

atatctgcct tgcagagtct cctgcagcac ctcatcgggc tgagcaatct gacccacgtg 1440
ctgtatcctg tccccctgga gagttatgag gacatccatg gtaccctcca cctggagagg 1500
cttgccctatc tgcatgccag gctcagggag ttgctgtgtg agttggggcg gccagcatg 1560
gtctggctta gtgccaaccc ctgtcctcac tgtggggaca gaaccttcta tgacccggag 1620
cccacctgtg gcccctgttt catgcctaac tagctgggtg cacatatcaa atgcttcatt 1680
ctgcatactt ggacactaaa gccaggatgt gcatgcatct tgaagcaaca aagcagccac 1740
agtttcagac aaatgttcag tgtgagttag gaaaacatgt tcagttagga aaaaacattc 1800
agacaaatgt tcagttagga aaaaaagggg aagttgggga taggcagatg ttgacttgag 1860
gagttaatgt gatctttggg gagatacatc ttatagagtt agaaatagaa tctgaatttc 1920
taaagggaga ttctggcctg ggaagtacat gtaggagtta atccctgtgt agactgttgt 1980
aaagaaactg ttgaaaaaaa aaaaaaaaaa                2008

```

<210> 204

<211> 923

<212> DNA

<213> Homo sapiens

<400> 204

```

tgagtttgcc cccttaccac catcccagtg aatatttgca attcctaaag acgtgttttg 60
attgtcacac ctgggtgggg aacatgctac tggcatctaa tgcatagagg gcagtaatgc 120
tgctaaacat ctttcaacgc acaggacaga gcccacaaa agagaattat ctagcccaa 180
atgtccataa cactgctgtt gagaaaacct accgcaggat cttactgggc ttcataggta 240
agcttgccct tgttctggct tctgtagata tataaaataa agacactgcc cagtccctcc 300
ctcaacgtcc cgagccaggg ctcaaggcaa ttccaataac agtagaatga aactaaata 360
ttgatttcaa aatctcagca actagaagaa tgaccaacca tcctggttgg cctgggactg 420
tcctagtttt agcattgaaa gtttcagggt ccaggaaagc cctcaggcct gggctgctgg 480
tcaccctagc agctgaggga ctcttcaata cagaattagt ctttgtgcac tggagatgaa 540
tatactttaa tttgtaacat gtgaaaacat ctataaacat ctactgaagc ctgttctgtc 600
tgcaccgaca ttttcattga gtacggattc ttctaccag atacagctgc tctacaactt 660
tcgagggtcg gtataaaact agcttttacc tattttttaa aattacatga atagtaaaaa 720
cttggtattaa ccaggtattc gggtattttc aatttccttg ggagcttaga ggacggacaa 780
ataaaaagat tatttcaaca tcaaataat gctattgttt acatatgaag ataaccacat 840
atatgtataa attcaccgtt acttttttagc aatactataa aatccaacag aaaaaaatag 900
catttactaa aaaaaaaaaa aaa                923

```

<210> 205

<211> 1619

<212> DNA

<213> Homo sapiens

<400> 205

```

ggcaactttt tgcggattgt tcttgcttcc aggccttgcg ctgcaaatcc agtgctacca 60
gtgtgaagaa ttccagctga acaacgactg ctctccccc gagttcattg tgaattgcac 120
ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
ctgtcctcca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300
cgggccaaag cccaagaaaa tagccctctt ctccgacac tgctgaagct gaaggagatg 420
caccatectg ttctcfaat cttccagccc tcgcccccaa cccccacct ccctgagtga 480
ccacccctc ctgcattgtt cttccagccc tcgcccccaa cccccacct ccctgagtga 480
gtttcttctg ggtgtccttt tattctgggt agggagcggg agtccgtgtt ctcttttgtt 540
cctgtgcaaa taatgaaaga gctcggtaaa gcattctgaa taaattcagc ctgactgaat 600
tttcagtatg tacttgaaag aaggaggtgg agtgaaagt caccctcatg tctgtgtaac 660
cggagtcaag gccaggctgg cagagtcagt ccttagaagt cactgaggtg ggcatctgcc 720
ttttgtaaag cctccagtgt ccattccatc cctgatgggg gcatagtttg agactgcaga 780
gtgagagtga cgttttctta gggctggagg gccagttccc actcaaggct ccctcgcttg 840
acattcaaac ttcatgctcc tgaaaacatc tctctgcagc agaattggct ggtttcgcgc 900

```

ctgagttggg	ctctagtgc	tcgagactca	atgactggga	cttagactgg	ggctcggcct	960
cgctctgaaa	agtgccttaag	aaaatcttct	cagttctcct	tgcagaggac	tggcgccggg	1020
acgcgaagag	caacgggcg	tgcacaaagc	ggcgctgtc	ggtggtggag	tgcgcatgta	1080
cgcgaggcg	cttctcgtgg	ttggcggtgct	gcagcgacag	gcggcagcac	agcaccttgc	1140
acgaacaccc	gccgaaactg	ctgcgaggac	accgtgtaca	ggagcgggtt	gatgaccgag	1200
ctgaggtaga	aaaacgtctc	cgagaagggg	aggaggatca	tgtacgccc	gaagtaggac	1260
ctcgtccagt	cgtgcttggg	tttgcccgca	gccatgatcc	tccgaatctg	gttgggcatc	1320
cagcatacgg	ccaatgtcac	aacaatcagc	cctgggcaga	cacgagcagg	aggagagac	1380
agagaaaaga	aaaacacagc	atgagaacac	agtaaataaa	taaaaccata	aaatatttag	1440
cccctctgtt	ctgtgcttac	tggccaggaa	atggtaccaa	tttttcagt	ttggacttga	1500
cagcttcttt	tgccacaagc	aagagagaat	ttaacactgt	ttcaaaccg	ggggagttgg	1560
ctgtgttaaa	gaaagacat	taaagtcttt	agacagtgt	aaaaaaaaa	aaaaaaaaa	1619

<210> 206

<211> 2364

<212> DNA

<213> Homo sapiens

<400> 206

atgcagcatc	accaccatca	ccacttctcc	gacgagaccc	tggacaaagt	gccaagtca	60
gagggctact	gtagccgtat	cctgcgcgcc	cagggcacgc	ggcgcgagg	ctacaccgag	120
ttcagcctcc	gcgtggagg	cgaccccgac	ttctacaagc	cggaaccag	ctaccgcgta	180
acactttcag	ctgctcctcc	ctcctacttc	agaggattca	cattaattgc	cctcagagag	240
aacagagagg	gtgataagga	agaagaccat	gctgggacct	tccagatcat	agacgaagaa	300
gaaactcagt	ttatgagcaa	ttgccctgtt	gcagtcactg	aaagcactcc	acggaggagg	360
accgggatcc	aggtgttttg	gatagcacca	ccagcgggaa	caggctgcgt	gattctgaag	420
gccagcatcg	tacaaaaacg	cattatttat	tttcaagatg	agggctctct	gaccaagaaa	480
ctttgtgaac	aagattccac	atttgatggg	gtgactgaca	aacctatctt	agactgctgt	540
gcctgcggaa	ctgccaagta	cagactcaca	ttttatggga	attggtccga	gaagacacac	600
ccaaaggatt	accctcgtcg	ggccaaccac	tggctgcga	tcctcggagg	atcccactcc	660
aagaattatg	tactgtggga	atatggagga	tatgccagcg	aaggcgtcaa	acaagttgca	720
gaattgggct	caccctgtaa	aatggaggaa	gaaattcgac	aacagagtga	tgaggtcctc	780
accgtcatca	aagccaaagc	ccagtggcca	gcctggcagc	ctctcaacgt	gagagcagca	840
ccttcagctg	aattttccgt	ggacagaacg	cgccatttaa	tgtccttctc	gacctgatg	900
ggccctagtc	ccgactggaa	cgtaggctta	tctgcagaag	atctgtgcac	caaggaatgt	960
ggctgggtcc	agaagggtgt	gcaagacctg	attccctggg	acgctggcac	cgacagcggg	1020
gtgacctatg	atgcacccaa	caaaccaccc	attcccagg	agaaaatccg	gcccctgacc	1080
agcctggacc	atcctcagag	tcctttctat	gaccagagg	gtgggtccat	cactcaagta	1140
gccagagttg	tcctcagag	aatcgcacgg	aagggtgaac	aatgcaatat	tgtacctgac	1200
aatgtcgatg	atattgtagc	tgacctggct	ccagaagaga	aagatgaaga	tgacaccctc	1260
gaaacctgca	tctactccaa	ctggtcccca	tggctccgct	gcagctcctc	cacctgtgac	1320
aaaggcaaga	ggatgcgaca	gcgcatgctg	aaagcacagc	tggacctcag	cgtcccctgc	1380
cctgacaccc	aggacttcca	gccctgcatg	ggccctggct	gcagtgcaga	agacggctcc	1440
acctgcacca	tgtccgagt	gatcacctgg	tcgccctgca	gcatctcctg	cggcattggc	1500
atgaggtccc	gggagaggt	tgtgaagcag	ttcccggagg	acggctccgt	gtgacgctg	1560
ccactgagg	aaacggagaa	gtgcacggtc	aacgaggagt	gctctcccag	cagctgcctg	1620
atgaccgagt	ggggcgagt	ggacgagtc	agcgccacct	gcggcatggg	catgaagaag	1680
cggcaccgca	tgatcaagat	gaaccccgca	gatggctcca	tgtgcaaagc	cgagacatca	1740
caggcagaga	agtgcagat	gccagagtgc	cacacccatc	catgcttget	gtcccatg	1800
tccgagtgg	gtgactgcag	cgtgacctgc	gggaagggca	tgcgaacccg	acagcggatg	1860
ctcaagtctc	tggcagaact	tggagactgc	aatgaggatc	tggagcagg	ggagaagtgc	1920
atgctccctg	aatgccccat	tgactgtgag	ctcaccgagt	ggtcccagtg	gtcgggaatg	1980
aacaagtcat	gtgggaaagg	ccacgtgatt	cgaacccgga	tgatccaaat	ggagcctcag	2040
tttgagggtg	caccctgccc	agagactgtg	cagcgaaaaa	agtgccgcat	ccgaaaatgc	2100
cttcgaaatc	catccatcca	aaagctacgc	tggagggagg	cccgagagag	ccggcggagt	2160
gagcagctga	aggaagagtc	tgaaggggag	cagttcccag	gttgtaggat	gcgcccattg	2220

acggcctggt cagaatgcac caaactgtgc ggaggtggaa ttcaggaacg ttacatgact 2280
 gtaaagaaga gattcaaaag ctcccagttt accagctgca aagacaagaa ggagatcaga 2340
 gcatgcaatg ttcacoccttg ttag 2364

<210> 207
 <211> 787
 <212> PRT
 <213> Homo sapiens

<400> 207

Met	Gln	His	His	His	His	His	Phe	Ser	Asp	Glu	Thr	Leu	Asp	Lys	5	10	15	
Val	Pro	Lys	Ser	Glu	Gly	Tyr	Cys	Ser	Arg	Ile	Leu	Arg	Ala	Gln	Gly	20	25	30
Thr	Arg	Arg	Glu	Gly	Tyr	Thr	Glu	Phe	Ser	Leu	Arg	Val	Glu	Gly	Asp	35	40	45
Pro	Asp	Phe	Tyr	Lys	Pro	Gly	Thr	Ser	Tyr	Arg	Val	Thr	Leu	Ser	Ala	50	55	60
Ala	Pro	Pro	Ser	Tyr	Phe	Arg	Gly	Phe	Thr	Leu	Ile	Ala	Leu	Arg	Glu	65	70	75
Asn	Arg	Glu	Gly	Asp	Lys	Glu	Glu	Asp	His	Ala	Gly	Thr	Phe	Gln	Ile	85	90	95
Ile	Asp	Glu	Glu	Glu	Thr	Gln	Phe	Met	Ser	Asn	Cys	Pro	Val	Ala	Val	100	105	110
Thr	Glu	Ser	Thr	Pro	Arg	Arg	Arg	Thr	Arg	Ile	Gln	Val	Phe	Trp	Ile	115	120	125
Ala	Pro	Pro	Ala	Gly	Thr	Gly	Cys	Val	Ile	Leu	Lys	Ala	Ser	Ile	Val	130	135	140
Gln	Lys	Arg	Ile	Ile	Tyr	Phe	Gln	Asp	Glu	Gly	Ser	Leu	Thr	Lys	Lys	145	150	155
Leu	Cys	Glu	Gln	Asp	Ser	Thr	Phe	Asp	Gly	Val	Thr	Asp	Lys	Pro	Ile	165	170	175
Leu	Asp	Cys	Cys	Ala	Cys	Gly	Thr	Ala	Lys	Tyr	Arg	Leu	Thr	Phe	Tyr	180	185	190
Gly	Asn	Trp	Ser	Glu	Lys	Thr	His	Pro	Lys	Asp	Tyr	Pro	Arg	Arg	Ala	195	200	205
Asn	His	Trp	Ser	Ala	Ile	Ile	Gly	Gly	Ser	His	Ser	Lys	Asn	Tyr	Val	210	215	220
Leu	Trp	Glu	Tyr	Gly	Gly	Tyr	Ala	Ser	Glu	Gly	Val	Lys	Gln	Val	Ala	225	230	235
Glu	Leu	Gly	Ser	Pro	Val	Lys	Met	Glu	Glu	Glu	Ile	Arg	Gln	Gln	Ser	245	250	255
Asp	Glu	Val	Leu	Thr	Val	Ile	Lys	Ala	Lys	Ala	Gln	Trp	Pro	Ala	Trp	260	265	270
Gln	Pro	Leu	Asn	Val	Arg	Ala	Ala	Pro	Ser	Ala	Glu	Phe	Ser	Val	Asp	275	280	285
Arg	Thr	Arg	His	Leu	Met	Ser	Phe	Leu	Thr	Met	Met	Gly	Pro	Ser	Pro	290	295	300
Asp	Trp	Asn	Val	Gly	Leu	Ser	Ala	Glu	Asp	Leu	Cys	Thr	Lys	Glu	Cys	305	310	315
Gly	Trp	Val	Gln	Lys	Val	Val	Gln	Asp	Leu	Ile	Pro	Trp	Asp	Ala	Gly	325	330	335
Thr	Asp	Ser	Gly	Val	Thr	Tyr	Glu	Ser	Pro	Asn	Lys	Pro	Thr	Ile	Pro	340	345	350
Gln	Glu	Lys	Ile	Arg	Pro	Leu	Thr	Ser	Leu	Asp	His	Pro	Gln	Ser	Pro	355	360	365
Phe	Tyr	Asp	Pro	Glu	Gly	Gly	Ser	Ile	Thr	Gln	Val	Ala	Arg	Val	Val			

370 375 380
 Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn Ile Val Pro Asp
 385 390 395 400
 Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu Glu Lys Asp Glu
 405 410 415
 Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp Ser Pro Trp Ser
 420 425 430
 Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg Met Arg Gln Arg
 435 440 445
 Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys Pro Asp Thr Gln
 450 455 460
 Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp Glu Asp Gly Ser
 465 470 475 480
 Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro Cys Ser Ile Ser
 485 490 495
 Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val Lys Gln Phe Pro
 500 505 510
 Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu Thr Glu Lys Cys
 515 520 525
 Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu Met Thr Glu Trp
 530 535 540
 Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met Gly Met Lys Lys
 545 550 555 560
 Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly Ser Met Cys Lys
 565 570 575
 Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro Glu Cys His Thr
 580 585 590
 Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser Asp Cys Ser Val
 595 600 605
 Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met Leu Lys Ser Leu
 610 615 620
 Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln Val Glu Lys Cys
 625 630 635 640
 Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr Glu Trp Ser Gln
 645 650 655
 Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His Val Ile Arg Thr
 660 665 670
 Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala Pro Cys Pro Glu
 675 680 685
 Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys Leu Arg Asn Pro
 690 695 700
 Ser Ile Gln Lys Leu Arg Trp Arg Glu Ala Arg Glu Ser Arg Arg Ser
 705 710 715 720
 Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe Pro Gly Cys Arg
 725 730 735
 Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys Leu Cys Gly Gly
 740 745 750
 Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg Phe Lys Ser Ser
 755 760 765
 Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg Ala Cys Asn Val
 770 775 780
 His Pro Cys
 785

<210> 208
 <211> 1362
 <212> DNA

<213> Homo sapiens

<400> 208

```

atggcttcac ccagcctccc gggcagtgac tgctcccaaa tcattgatca cagtcatgtc 60
cccagatttg aggtggccac ctggatcaaa atcaccctta ttctggtgta cctgatcatc 120
ttcgtgatgg gccttctggg gaacagcgcc accattcggg tcacccaggt gctgcagaag 180
aaaggatact tgcagaagga ggtgacagac cacatggtga gtttggcttg ctcgacatc 240
ttggtgttcc tcatcggcac gcccatggag ttctacagca tcatctggaa tccctgacc 300
acgtccagct acaccctgtc ctgcaagctg cacactttcc tcttcgaggc ctgcagctac 360
gctacgctgc tgcacgtgct gacactcagc tttgagcgct acatcgccat ctgtcacccc 420
ttcaggtaca aggtgtgtc gggaccttgc caggtgaagc tgctgattgg ctctgtctgg 480
gtcacctccg ccctggtggc actgcccttg ctgtttgcca tgggtactga gtaccccctg 540
gtgaacgtgc ccagccaccg ggggtctcact tgcaaccgct ccagcaccg ccaccagag 600
cagcccagaga cctccaatat gtccatctgt accaacctct ccagccgctg gaccgtgttc 660
cagtccagca tcttcggcgc ctctgtggtc tacctcgtgg tctgtctctc cgtagccttc 720
atgtgctgga acatgatgca ggtgctcatg aaaagccaga agggctcgct ggccgggggc 780
acgcggcctc cgcagctgag gaagtccgag agcgaagaga gcaggaccgc caggaggcag 840
accatcatct tctgaggct gattgttgtg acattggccg tatgctggat gcccaccag 900
attcggagga tcatggctgc ggccaaacc aagcacgact ggacgaggtc ctacttcccg 960
gcgtacatga tctcctccc ctctcggag acgttttct acctcagctc ggtcatcaac 1020
ccgtcctgt acacggtgtc ctgcgagcag tttcggcggg tgctcgtgca ggtgctgtgc 1080
tgccgcctgt cgtgcagca cgccaccac gagaagcgcc tgcgcgtaca tgcgcactcc 1140
accaccgaca gcgcccgtt tgtgcagcgc ccgttgcctc tcgcgtcccg gcgccagtcc 1200
tctgaagga gaactgagaa gattttctta agcacttttc agagcgaggc cgagccccag 1260
tctaagtccc agtcattgag tctcagatca ctagagccca actcaggcgc gaaaccagcc 1320
aattctgctg cagagaatgg ttttcaggag catgaagttt ga 1362

```

<210> 209

<211> 453

<212> PRT

<213> Homo sapiens

<400> 209

```

Met Ala Ser Pro Ser Leu Pro Gly Ser Asp Cys Ser Gln Ile Ile Asp
                    5                      10                      15
His Ser His Val Pro Glu Phe Glu Val Ala Thr Trp Ile Lys Ile Thr
                    20                      25                      30
Leu Ile Leu Val Tyr Leu Ile Ile Phe Val Met Gly Leu Leu Gly Asn
                    35                      40                      45
Ser Ala Thr Ile Arg Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu
                    50                      55                      60
Gln Lys Glu Val Thr Asp His Met Val Ser Leu Ala Cys Ser Asp Ile
                    65                      70                      75                      80
Leu Val Phe Leu Ile Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp
                    85                      90                      95
Asn Pro Leu Thr Thr Ser Ser Tyr Thr Leu Ser Cys Lys Leu His Thr
                    100                     105                     110
Phe Leu Phe Glu Ala Cys Ser Tyr Ala Thr Leu Leu His Val Leu Thr
                    115                     120                     125
Leu Ser Phe Glu Arg Tyr Ile Ala Ile Cys His Pro Phe Arg Tyr Lys
                    130                     135                     140
Ala Val Ser Gly Pro Cys Gln Val Lys Leu Leu Ile Gly Phe Val Trp
                    145                     150                     155                     160
Val Thr Ser Ala Leu Val Ala Leu Pro Leu Leu Phe Ala Met Gly Thr
                    165                     170                     175
Glu Tyr Pro Leu Val Asn Val Pro Ser His Arg Gly Leu Thr Cys Asn
                    180                     185                     190

```

Arg Ser Ser Thr Arg His His Glu Gln Pro Glu Thr Ser Asn Met Ser
 195 200 205
 Ile Cys Thr Asn Leu Ser Ser Arg Trp Thr Val Phe Gln Ser Ser Ile
 210 215 220
 Phe Gly Ala Phe Val Val Tyr Leu Val-Val Leu Leu Ser Val Ala Phe
 225 230 235 240
 Met Cys Trp Asn Met Met Gln Val Leu Met Lys Ser Gln Lys Gly Ser
 245 250 255
 Leu Ala Gly Gly Thr Arg Pro Pro Gln Leu Arg Lys Ser Glu Ser Glu
 260 265 270
 Glu Ser Arg Thr Ala Arg Arg Gln Thr Ile Ile Phe Leu Arg Leu Ile
 275 280 285
 Val Val Thr Leu Ala Val Cys Trp Met Pro Asn Gln Ile Arg Arg Ile
 290 295 300
 Met Ala Ala Ala Lys Pro Lys His Asp Trp Thr Arg Ser Tyr Phe Arg
 305 310 315 320
 Ala Tyr Met Ile Leu Leu Pro Phe Ser Glu Thr Phe Phe Tyr Leu Ser
 325 330 335
 Ser Val Ile Asn Pro Leu Leu Tyr Thr Val Ser Ser Gln Gln Phe Arg
 340 345 350
 Arg Val Phe Val Gln Val Leu Cys Arg Leu Ser Leu Gln His Ala
 355 360 365
 Asn His Glu Lys Arg Leu Arg Val His Ala His Ser Thr Thr Asp Ser
 370 375 380
 Ala Arg Phe Val Gln Arg Pro Leu Leu Phe Ala Ser Arg Arg Gln Ser
 385 390 395 400
 Ser Ala Arg Arg Thr Glu Lys Ile Phe Leu Ser Thr Phe Gln Ser Glu
 405 410 415
 Ala Glu Pro Gln Ser Lys Ser Gln Ser Leu Ser Leu Glu Ser Leu Glu
 420 425 430
 Pro Asn Ser Gly Ala Lys Pro Ala Asn Ser Ala Ala Glu Asn Gly Phe
 435 440 445
 Gln Glu His Glu Val
 450

<210> 210

<211> 625

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(625)

<223> n = A,T,C or G

<400> 210

agttctcctt gcagaggact ggcgcgggga cgcgaagagc aacggggcgct gcacaaagcg 60
 ggcgctgtcg gtggtggagt ggcgatgtac ggcgaggcgc ttctcgtggt tggcgtgctg 120
 cagcgacagg cggcagcaca gcacctgcac gaacacccgc cgaaactgct gcgaggacac 180
 cgtgtacagg agcgggttga tgaccgagct gaggtagaaa aacgtctccg agaaggggag 240
 gaggatcatg tacgcccgga agtaggacct cgtccagtcg tgcttgggtt tggccgcagc 300
 catgatcctc cgaatctggt tgggcatcca gcatacggcc aatgtcacia caatcagccc 360
 tgggcagaca cgagcaggag ggagagacag agaaaagaaa aacacagcat gagaacacag 420
 taaatgaata aaaccataaa atatttagcc cctctgttct gtgcttactg gccaggaaat 480
 ggtaccaatt ttctagtgtt ggacttgaca gcttcttttg ccacaagcaa gagagaattt 540
 aacactgttt caaaccggg ggagttggct gtgttaaaga aagaccatta aatgctttag 600
 acagtgnaaa aaaaaaaaaa aaaaa
 625

<210> 211
 <211> 1619
 <212> DNA
 <213> Homo sapiens

<400> 211

```

ggcaactttt tgcggattgt tcttgettcc aggctttgcg ctgcaaatcc agtgcctacca 60
gtgtgaagaa ttccagctga acaacgactg ctccctcccc gagttcattg tgaattgcac 120
ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300
cgggccaaag cccaagaaaa ggggaagttc tgcctcggcc ctgaggccag ggctccgcac 360
caccatcctg ttccctcaaat tagccctctt ctcggcacac tgctgaagct gaaggagatg 420
ccacccctc ctgcattgtt ctccagccc tcgcccccaa ccccccacct ccctgagtga 480
gtttctctct ggtgtccttt tattctgggt agggagcggg agtccgtgtt ctcttttgtt 540
cctgtgcaaa taatgaaaga gctcggtaaa gcattctgaa taaattcagc ctgactgaat 600
tttcagtatg taactgaagg aaggaggtgg agtgaaagt caccctcatg tctgtgtaac 660
cggagtcaag gccaggctgg cagagtcagt ccttagaagt cactgaggtg ggcatctgcc 720
ttttgtaaag cctccagtgt ccattccatc cctgatgggg gcatagtttg agactgcaga 780
gtgagagtga cgttttctta gggctggagg gccagttccc actcaaggct ccctcgcttg 840
acattcaaac ttcatgctcc tgaaaacccat tctctgcagc agaattggct ggtttcgcgc 900
ctgagttggg ctctagtgc tgcagactca atgactggga cttagactgg ggctcgccct 960
cgctctgaaa agtgcttaag aaaatcttct cagttctcct tgcagaggac tggcgccggg 1020
acgcgaagag caacgggcgc tgcacaaagc gggcgctgtc ggtggtggag tgcgcatgta 1080
cgcgaggcgt cttctcgtgg ttggcgtgct gcagcgacag gcggcagcac agcaccttgc 1140
acgaacaccc gccgaaactg ctgcgaggac accgtgtaca ggagcgggtt gatgaccgag 1200
ctgaggtaga aaaacgtctc cgagaagggg aggaggatca tgtacgcccg gaagtaggac 1260
ctcgtccagt cgtgcttggg tttggccgca gccatgatcc tccgaatctg gttgggcac 1320
cagcatagcg ccaatgtcac aacaatcagc cctgggcaga cagcagcagg agggagagac 1380
agagaaaaaga aaaacacagc atgagaacac agtaaatgaa taaaaccata aaatatttag 1440
cccctctgtt ctgtgcttac tggccaggaa atggtaccaa ttttccagtg ttggacttga 1500
cagcttcttt tgccacaagc aagagagaat ttaacactgt ttcaaaccgc ggggagttgg 1560
ctgtgttaaa gaaagaccat taaatgcttt agacagtgtg aaaaaaaaaa aaaaaaaaaa 1619

```

<210> 212
 <211> 1010
 <212> DNA
 <213> Homo sapiens

<400> 212

```

ccgcagccgg gagcccgagc gcgggcgatg caggctccgc gagcggcacc tgcggctcct 60
ctaagctacg accgtcgtct ccgctggcag cagctgcggg ccccgagcagc ctccggcagcc 120
acagccgctg cagcctgggg cagcctccgc tgetgtcgcc tcctctgatg cgcttgccct 180
ctccctggcc ccgggactcc gggagaatgt gggtcctagg catcgcgga actttttgcg 240
gattgttctt gcttccaagg ctttgcgctg caaatccagt gctaccagt tgaagaattc 300
cagctgaaca agactgtct ctccccgag ttcatgtga attgcacgtt gaacgttcaa 360
gacatgtgtc agaaagaagt gatggagcaa agtgcgggga tcatgtacc caagtctgt 420
gcatcatcag cggcctgtct catgcctct cccgggtacc agtccttctg ctccccaggg 480
aaactgaact cagtttgcac cagctgctgc aacacccctc tttgtaaccg ggccaaggcc 540
caagaaaagg ggaagtctct cctcgccct caggccaggg ctccgaacca ccatcctgtc 600
ctcaaatata agccctactt ctcggcacac tgctggaagc ttgaaggagg aaggcaccca 660
ctcctgcata gtccatccag gcctcgcccc acacacccca ctccctgaga gagcacgccc 720
agggagacca aaaaccggga taggcaacgg acccccagac accacaaggg acccgaggac 780
aaagacgcag acaactcgcg aaagccaccc acgaatacaa cggcccgaac acagatatata 840
cgcacgagcc ccgaccgaca agagaagaag cagaagaaac acccacagac agaaacagac 900
accagcaaca agcgaaaaaca gcaaaacgac actagcgaga caccacctgc acacaacacc 960

```

acagcccaac acagaggaca cgacaacaaa gagacagcac caacgacgaa

1010

<210> 213
<211> 480
<212> DNA
<213> Homo sapiens

<400> 213
gccaactccg gaggtctctg tgctcggccc gggagcgcga gcgggaggag cagagacccg 60
cagccgggag cccgagcgcg ggcgatgcag gctccgcgag cggcacctgc ggctcctcta 120
agctacgacc gtctgtctccg cggcagcagc gcgggcccga gcagcctcgg cagccacagc 180
cgctgcagcc ggggcagcct ccgctgctgt cgcctcctct gatgcgcttg ccctctcccg 240
gccccgggac tccgggagaa tgtgggtcct aggcacgcg gcaacttttt gcggattgtt 300
cttgcttcca ggctttgcgc tgcaaatcca gtgctaccag tgtgaagaat tccagctgaa 360
caacgactgc tcctcccccg agttcattgt gaattgcacg gtgaacgttc aagacatgtg 420
tgagaaagaa gtgatggagc aaagtgccg gatcatgtac cgcaagtcct gtgcatgac 480

<210> 214
<211> 1897
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1897)
<223> n = A,T,C or G

<400> 214
gccaactccg gaggtctctg tgctcggccc gggagcgcga gcgggaggag cagagacccg 60
cagccgggag cccgagcgcg ggcgatgcag gctccgcgag cggcacctgc ggctcctcta 120
agctacgacc gtctgtctccg cggcagcagc gcgggcccga gcagcctcgg cagccacagc 180
cgctgcagcc ggggcagcct ccgctgctgt cgcctcctct gatgcgcttg ccctctcccg 240
gccccgggac tccgggagaa tgtgggtcct aggcacgcg gcaacttttt gcggattgtt 300
cttgcttcca ggctttgcgc tgcaaatcca gtgctaccag tgtgaagaat tccagctgaa 360
caacgactgc tcctcccccg agttcattgt gaattgcacg gtgaacgttc aagacatgtg 420
tcagaaagaa gtgatggagc aaagtgccg gatcatgtac cgcaagtcct gtgcatgac 480
agcggcctgt ctcatcgct ctgccgggta ccagtccttc tgctccccag ggaaactgaa 540
ctcagtttgc atcagctgtg gcaacacccc tctttgtaac gggccaaggc ccaagaaaag 600
gggaagtctc gctcggccc tcaggccagg gctccgcacc accatcctgt tctcaaatt 660
agcctcttc tcggcacact gctgaagctg aaggagatgc caccocctcc tgcattgttc 720
ttccagccct cgcccccaac cccccacct cctgagtgag tttcttctgg gtgtcctttt 780
attctgggta gggagcggga gtccgtgttc tctttgttc ctgtgcaaat aatgaaagag 840
ctcggtaaag cattctgaat aaattcagcy tgactgaatt ttcagtatgt acttgaagga 900
aggaggtgga gtgaaagtgc acccccatgt ctgtgtaacc ggagtcaagg ccaggctggc 960
agagtcwgtc cttagaagtc actgaggtgg gcatctgcct tttgtaaagc ctccagtgtc 1020
cattccatcc ctgatggggg catagtttga gactgcagag tgagagtgac gttttcttag 1080
ggctggaggg ccagttccca ctcaaggctc cctcgcttga cattcaaact tcatgtcct 1140
gaaaaccatt ctctgcagca gaattggctg gtttcgcgcc tgagttgggc tctagtact 1200
cgagactcaa tgactgggac ttagactggg gctcggcctc gctctgaaaa gtgcttaaga 1260
aaatcttctc agttctcctt gcagaggact ggcgcgggga cgcgaagagc aacgggcgct 1320
gcacaaagcg ggcgctgtcg gtggtggagt gcgcatgtac gcgcaggcgc ttctcgtgg 1380
tgccgtgctg cagcgacagg cggcagcaca gcacctgcac gaacacccgc cgaaactgct 1440
gcgaggacac cgtgtacagg agcgggttga tgaccgagct gaggtagaaa aacgtctccg 1500
agaaggggag gaggatcatg tacgcccggg agtaggacct cgtccagtgc tgcttgggtt 1560
tggccgcagc catgatcctc cgaatctggt tgggcatcca gcatacgcc aatgtcacia 1620
caatcagccc tgggcagaca cgagcaggag ggagagacag agaaaagaaa aacacagcat 1680
gagaacacag taaatgaata aaaccataaa atatttagcc cctctgttct gtgcttactg 1740

gccaggaaat ggtaccaatt ttctcagtgtt ggacttgaca gcttcttttg ccacaagcaa 1800
 gagagaattt aacactgttt caaaccggg ggagttggct gtgttaaaga aagaccatta 1860
 aatgcttttag acagtgtaaa aaaaaaaaaa aaaaaaa 1897

<210> 215

<211> 141

<212> PRT

<213> Homo sapiens

<400> 215

Met Trp Val Leu Gly Ile Ala Ala Thr Phe Cys Gly Leu Phe Leu Leu
 5 10 15

Pro Gly Phe Ala Leu Gln Ile Gln Cys Tyr Gln Cys Glu Glu Phe Gln
 20 25 30

Leu Asn Asn Asp Cys Ser Ser Pro Glu Phe Ile Val Asn Cys Thr Val
 35 40 45

Asn Val Gln Asp Met Cys Gln Lys Glu Val Met Glu Gln Ser Ala Gly
 50 55 60

Ile Met Tyr Arg Lys Ser Cys Ala Ser Ser Ala Ala Cys Leu Ile Ala
 65 70 75 80

Ser Ala Gly Tyr Gln Ser Phe Cys Ser Pro Gly Lys Leu Asn Ser Val
 85 90 95

Cys Ile Ser Cys Cys Asn Thr Pro Leu Cys Asn Gly Pro Arg Pro Lys
 100 105 110

Lys Arg Gly Ser Ser Ala Ser Ala Leu Arg Pro Gly Leu Arg Thr Thr
 115 120 125

Ile Leu Phe Leu Lys Leu Ala Leu Phe Ser Ala His Cys
 130 135 140